SERVICE MANUAL

DSR9500 (FTA, CI, EM VIA, VIA CI)

ELECTRONICS

MF82-00001A

DIGITAL SATELLITE RECEIVER

DSR9500 FTA
DSR9500 CI
DSR9500 EM VIA
DSR9500 VIA CI

SERVICE *Manual*

DIGITAL SATELLITE RECEIVER

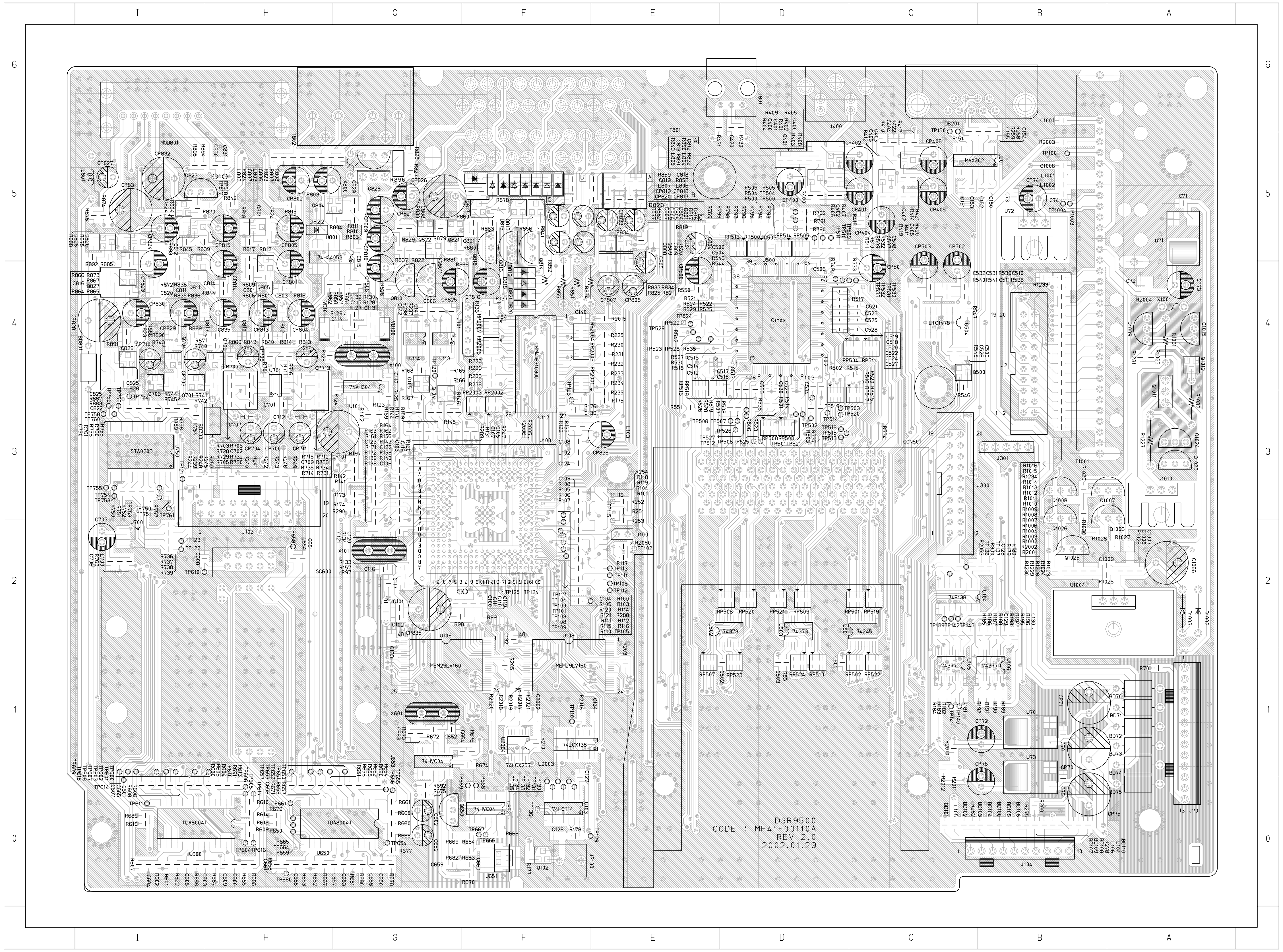


CONTENTS

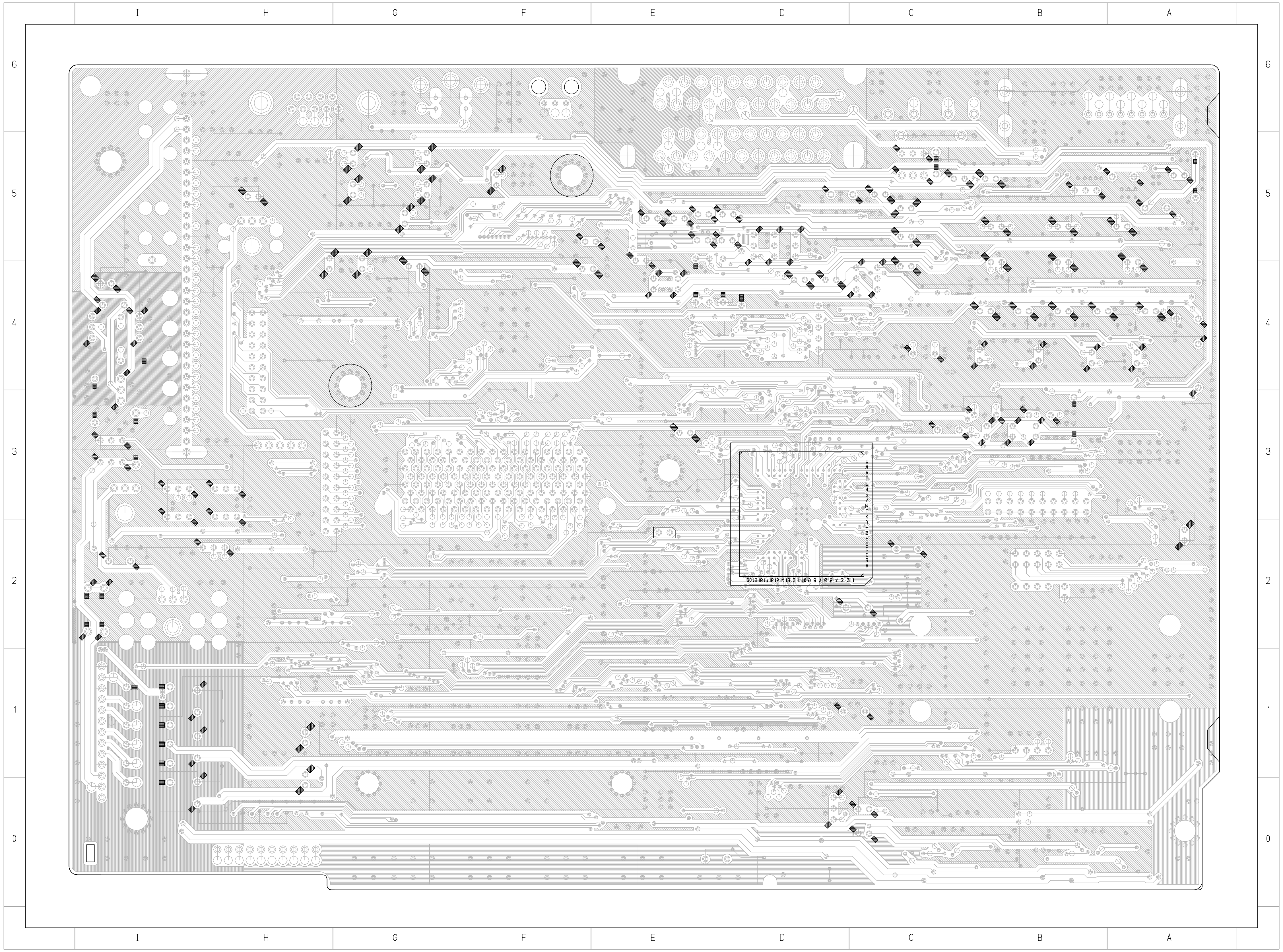
7. PCB Diagrams

7-1 Main

COMPONENT SIDE

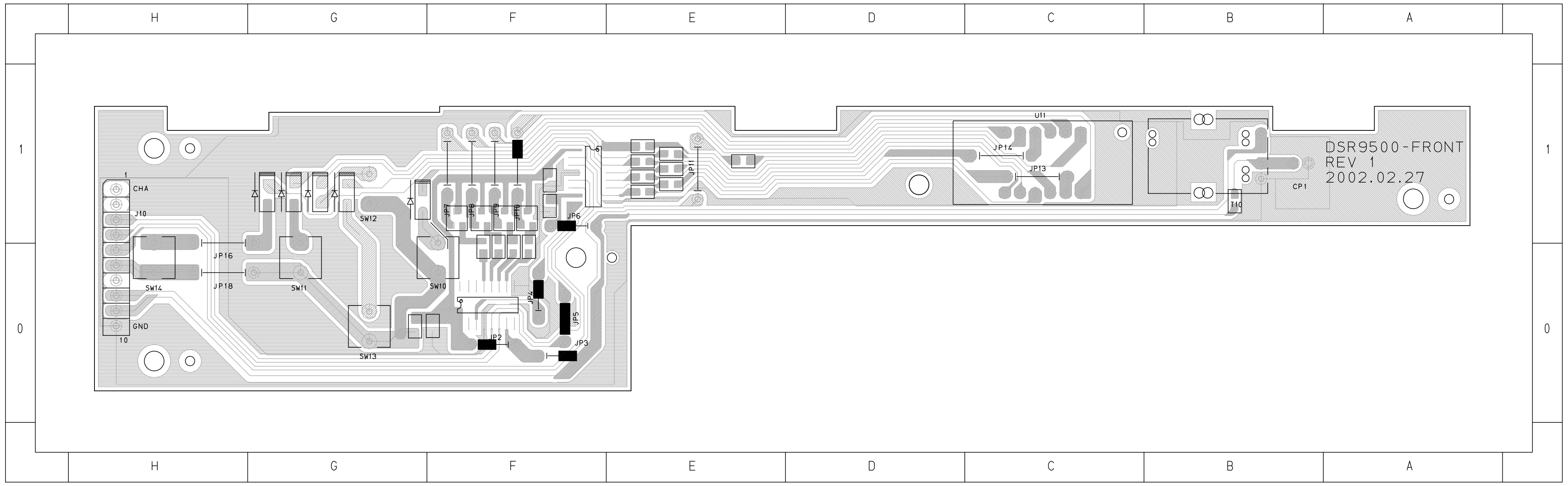


CONDUCTOR SIDE

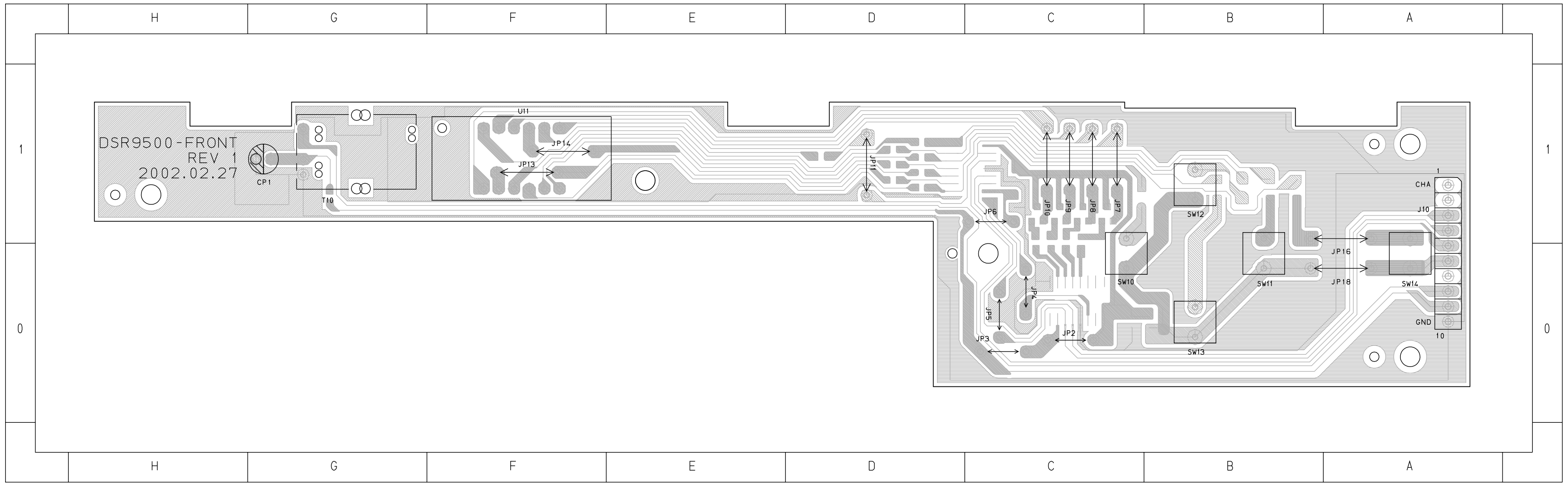


7-2 Front

COMPONENT SIDE



CONDUCTOR SIDE



6. Electrical Parts List

Loc.No	Part No	Description ; Specification	Remark
3	**MF95-10004D**	**MAIN PCB ASSY;SRF00901FA,DSR9500(FTA)**	
BD103	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
BD104	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD105	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD106	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD107	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD108	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
BD109	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
BD110	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
BD70	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD700	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD71	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD72	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD73	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD74	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD75	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD801	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
C100	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1001	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1007	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1008	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1009	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C101	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C102	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C103	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C104	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C105	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C106	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1066	2401-001415	C-AL;470uF,20%,35V,GP,TP,10x20,5	
C107	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C108	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C109	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C110	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C111	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C112	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C113	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C114	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C115	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C116	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C117	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C118	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C119	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C122	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C123	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C124	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C126	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C127	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C128	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C129	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C130	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C132	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C133	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C139	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C140	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C141	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C142	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C150	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C151	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C152	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C153	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C154	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
C155	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C400	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C402	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C404	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C405	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C420	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C70	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C701	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C702	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C705	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
C706	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C707	2301-000106	C-FILM,PEF;1.5nF,0.05,100V,TP,10.5*12.5*	
C709	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C71	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C712	2301-000106	C-FILM,PEF;1.5nF,0.05,100V,TP,10.5*12.5*	
C72	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C73	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C74	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C750	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C801	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C802	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C803	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C804	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
C805	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
C806	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C807	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C808	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C809	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C810	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C811	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C812	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C813	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C814	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C815	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C816	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C817	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C818	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C819	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C820	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C822	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C823	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C824	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C828	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C829	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C835	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP101	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP400	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP401	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP402	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP404	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP405	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP406	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP70	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP700	2401-001529	C-AL;47uF,20%,25V,GP,-,5x11,2mm	
CP703	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP704	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP708	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP71	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP710	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP711	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP713	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	

Loc.No	Part No	Description ; Specification	Remark
CP72	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP73	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP74	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP801	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP802	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP803	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP804	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP805	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP806	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP807	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP808	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP809	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP810	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP813	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP814	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP815	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP816	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP817	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP818	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP819	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP820	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP821	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP823	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP824	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP825	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP826	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP827	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP828	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP829	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP830	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP831	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	
CP832	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	
CP833	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP834	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP835	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP836	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
D1002	0402-000129	DIODE-RECTIFIER;1N4003,200V,1A,DO-41,TP	
D1003	0402-000129	DIODE-RECTIFIER;1N4003,200V,1A,DO-41,TP	
D801	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D804	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D805	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D806	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D807	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D815	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
D816	0403-001390	DIODE-ZENER;RLZ18B,16.82-17.7V,500mW,LL-	
D817	0403-001390	DIODE-ZENER;RLZ18B,16.82-17.7V,500mW,LL-	
DB201	3701-000320	CONNECTOR-DSUB;9P,2R,FEMALE,ANGLE,AUF	
J100	3711-002633	CONNECTOR-HEADER;NOWALL,2P,1R,2.54mm,STR	
J103	3711-000754	CONNECTOR-HEADER;BOX,20P,2R,2.54mm,STRAI	
J104	3711-000577	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAIG	
J400	MF39-00014A	SUPER VIDEO-JACK;4016-4P-MR,-,-,-,-,-,-,	
J70	3711-003133	CONNECTOR-HEADER;BOX,13P,1R,2.5mm,STRAIG	
J801	0603-001051	OPTIC TRANSMITTER;5V,6Mb/s,5m,-15dBm,660	
JR100	3404-001064	SWITCH-TACT;12V,50mA,160gf,6x6x3.5mm,-	
L1002	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L101	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L102	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L103	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L104	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L106	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L700	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L801	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
L802	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L803	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L804	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L805	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	

Loc.No	Part No	Description ; Specification	Remark
L806	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L807	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
MOD80	1 MF40-00129A	RF MODULATOR;RMUP74055FS(S),PAL,40CHANNE	
Q1006	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1007	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1008	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1009	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1010	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q1010	MF62-00001B	HEAT-SINK;A6063,11X15X20,-,-,-,-,	
Q1011	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q1012	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q1015	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1023	0501-000316	TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	
Q1024	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1025	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1026	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q400	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q401	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q402	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q403	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q701	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q702	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q703	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q704	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q801	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q804	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q805	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q806	0501-000316	TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	
Q807	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q808	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q809	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q810	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q811	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q812	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q813	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q814	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q816	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q817	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q818	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q820	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q821	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q822	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q823	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q824	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q825	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q826	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q827	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q828	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q829	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
R100	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1002	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1003	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1004	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1006	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1007	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1008	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1009	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1010	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1011	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1012	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1013	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1015	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R102	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R1023	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R1024	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R1025	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R1026	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1027	2007-000245	R-CHIP;1.5KOHM,5%,1/8W,DA,TP,3216	
R1028	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1029	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R1030	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1031	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R1032	2001-000044	R-CARBON;1.2KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1033	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R104	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R106	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R108	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R110	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R111	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R112	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R114	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R115	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R116	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R117	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R118	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R119	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R121	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R122	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R1227	2003-000126	R-METAL OXIDE;1.2Kohm,5%,1W,AA,TP,4.3x12	
R1228	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R1229	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R123	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R1230	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1234	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R124	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R125	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R126	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R127	2007-000498	R-CHIP;2.2MOHM,5%,1/10W,DA,TP,2012	
R128	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R129	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R130	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R132	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R133	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R138	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R139	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R140	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R142	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R143	2007-001672	R-CHIP;8.2KOHM,1%,1/10W,DA,TP,2012	
R144	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R145	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R146	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R156	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R157	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R158	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R159	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R160	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R161	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R162	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R163	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R164	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R165	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R166	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R167	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R168	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R169	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R170	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R171	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R172	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R173	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R174	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R175	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R177	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R178	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R179	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R181	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R182	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R183	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R184	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R185	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R186	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R187	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R188	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R189	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R190	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R191	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R192	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R193	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R194	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R195	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R196	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R200	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R2001	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R2002	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R2003	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2004	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2005	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2006	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R2012	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2015	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
R2016	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2018	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2019	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2020	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2021	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2050	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R225	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R226	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R229	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R230	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R231	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R232	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R233	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R234	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R235	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R236	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R240	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R241	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R242	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R243	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R244	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R245	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R246	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R247	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R249	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R250	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R251	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R254	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R258	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R259	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R275	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R278	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R282	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R286	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R288	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R289	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R290	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R400	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R401	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R402	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R403	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R404	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R405	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R406	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R407	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R408	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R409	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R410	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R411	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R412	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R414	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R415	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R417	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R419	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R420	2007-000728	R-CHIP;300OHM,5%,1/10W,DA,TP,2012	
R421	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R422	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R430	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
R431	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R542	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R672	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R701	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R703	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R705	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R706	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R707	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R711	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R712	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R714	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R715	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R716	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R728	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R729	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R733	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R734	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R736	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R737	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R738	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R739	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R740	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R741	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R743	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R744	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R750	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R751	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R752	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R753	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R755	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R756	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R757	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R758	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R761	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R769	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R790	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R791	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R792	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R793	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R794	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R795	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R796	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R797	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R798	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R799	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R801	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R803	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R804	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R806	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R807	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R808	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R809	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R810	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R811	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R812	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R813	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R814	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R815	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R816	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R817	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R818	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R819	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R820	2007-000451	R-CHIP;180OHM,5%,1/8W,DA,TP,3216	
R821	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R822	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R823	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R824	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R825	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R826	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R827	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R828	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R829	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R830	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R831	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R832	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R833	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R834	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R835	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R836	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R837	2007-000447	R-CHIP;180OHM,1%,1/10W,DA,TP,2012	
R838	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R839	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R840	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R841	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R842	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R843	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R844	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R845	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R849	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R850	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R851	2001-000034	R-CARBON;220OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R852	2001-001114	R-CARBON(S);27OHM,5%,1/2W,AA,TP,2.4X6.4	
R853	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R854	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R855	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R856	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R857	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R858	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R859	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R860	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R861	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R862	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R863	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R864	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R865	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R866	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R867	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R868	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R869	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R870	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R871	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R872	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R873	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R874	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R875	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R877	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R878	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R879	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R880	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R881	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R882	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R883	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R884	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R885	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R886	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R887	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R888	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R889	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R890	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R891	2007-000607	R-CHIP;240OHM,5%,1/10W,DA,TP,2012	
R892	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R893	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R894	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R896	2007-000245	R-CHIP;1.5KOHM,5%,1/8W,DA,TP,3216	
RP200	1 2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP200	2 2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP200	3 2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP200	4 2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP200	5 2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP200	6 2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP200	7 2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
T1001	MF40-00124A	TUNER-SILICON;ICTM200009,-,PAL-MULTI,-,-	
C1	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C10	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C103	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C105	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C106	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C107	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C108	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C109	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C11	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C110	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C111	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C112	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C113	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C114	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C115	2203-000800	C-CERAMIC,CHIP;33nF,10%,25V,X7R,TP,1608	
C116	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
C117	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C118	2402-001071	C-AL,SMD;220uF,20%,10V,GP,TP,8.3x8.3x6.	
C119	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C12	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C120	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C121	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C14	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C16	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C2	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C201	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C202	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C203	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C204	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C205	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C206	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C207	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C208	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C209	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C210	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C211	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C212	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	

Loc.No	Part No	Description ; Specification	Remark
C213	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C214	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C215	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C216	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C217	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C218	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C219	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C220	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C221	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C222	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C223	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C224	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C225	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C226	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C3	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C5	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C6	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C7	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C9	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
J101	MF70-00193A	SHIELD;EUROSTAR,ET (#50-50),0.4,-,54,	
J201	3711-004724	CONNECTOR-HEADER;NOWALL,31P,1R,2.5mm,ANG	
L102	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L103	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L104	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L105	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L201	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L202	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
Q1	0501-000519	TR-SMALL SIGNAL;BFP183,NPN,450mW,SOT-143	
R1	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R101	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
R102	2007-000043	R-CHIP;1Kohm,1%,1/16W,DA,TP,1608	
R105	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
R2	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
R201	2007-000971	R-CHIP;5.1ohm,5%,1/16W,DA,TP,1608	
R202	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
R203	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R204	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R205	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R206	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R207	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
R208	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R209	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R210	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R211	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R212	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R3	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	
R4	2007-000028	R-CHIP;39OHM,5%,1/10W,DA,TP,2012	
R5	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
R6	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
R8	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R9	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
T101	MD26-00107A	TRANS;BTB003-1,-,5P,5.6uH,-,-,-,-,-,	
U1	1204-001686	IC-TUNER;1821,QFP,48P,276MIL,PALSTIC,5.	
U2	1204-001685	IC-DECODER;HM1221,QFP,100P,-,PLRASTIC,3.	
Y1	2801-004002	CRYSTAL-UNIT;10.111MHz,30ppm,28-AAA,20pF	
T801	3722-001345	JACK-SCART;42P/2R,-,SN,BLK,-	
T802	3722-001735	JACK-PIN;4P/4C,8.3PI,NI,WHT/YEL/RED/BLK	
U100	1204-001809	IC-ENCODER/DECODER;STI5512AWE,BGA,256P,1	
U1004	1203-000157	IC-POSI.ADJUST REG.;317,TO-220,3P,-,PLAS	
U101	0801-002536	IC-CMOS LOGIC;74LCX04,INVERTER,SOIC,14P,	
U102	1203-001758	IC-RESET;1813,SOT-23,3P,-,PLASTIC,-0.5/	
U103	0801-001090	IC-CMOS LOGIC;74HC14,SCHIMITT INVERTER,S	
U104	0803-000111	IC-TTL;74F138,1-OF-8 ENCODER/DEMUX,SO	
U105	0801-002370	IC-CMOS LOGIC;74AC377,D FILP-FLOP,TSSOP,	
U106	0801-002370	IC-CMOS LOGIC;74AC377,D FILP-FLOP,TSSOP,	
U108	1107-001238	IC-FLASH MEMORY;29LV160,2Mx8/1Mx16Bit,TS	

Loc.No	Part No	Description ; Specification	Remark
U112	1105-001390	IC-DRAM;K4S641632F,4X1MX16BIT,TSOP(II)	
U113	1103-001090	IC-EEPROM;24C128,16Kx8BIT,SOP,8P,150MIL,	
U114	1103-001090	IC-EEPROM;24C128,16Kx8BIT,SOP,8P,150MIL,	
U201	1006-000347	IC-LINE TRANSCEIVER;202,SOP,16P,150MIL,D	
U70	1203-001455	IC-POSI.FIXED REG.;1117,DPAK,3P,265MIL,P	
U700	1002-001059	IC-D/A CONVERTER;CS4330-KS,18BIT,SOP,8P,	
U701	1201-000167	IC-OP AMP;358,SOP,8P,150MIL,DUAL,100V/mV	
U71	1203-001455	IC-POSI.FIXED REG.;1117,DPAK,3P,265MIL,P	
U72	1203-000273	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
U750	1205-002067	IC-TRANSMITTER;STA020D,SO,24P,295MIL,-,3	
U801	1001-000172	IC-ANALOG SWITCH;4053,SPDT CMOS,SOP,16P,	
VD100	0405-000117	DIODE-VARACTOR;1SV215,30V,10nA,USC,TP	
VD101	0405-000117	DIODE-VARACTOR;1SV215,30V,10nA,USC,TP	
X100	2801-003365	CRYSTAL-UNIT;27MHZ,20PPM,28-AAM,17PF,35O	
X1001	1404-000154	THERMISTOR-PTC;0.47ohm,-,-,60Vac,40A,1.8	
X800	1404-000233	THERMISTOR-PTC;0.48ohm,-,-,60Vac,40A,1.3	
3	**MF95-10004E**	**MAIN PCB ASSY;SRF02901FA,DSR9500(2CI)**	
BD103	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
BD104	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD105	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD106	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD107	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD108	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
BD109	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
BD110	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
BD70	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD700	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD71	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD72	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD73	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD74	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD75	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD801	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
C100	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1001	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1007	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1008	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1009	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C101	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C102	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C103	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C104	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C105	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C106	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1066	2401-001415	C-AL;470uF,20%,35V,GP,TP,10x20,5	
C107	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C108	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C109	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C110	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C111	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C112	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C113	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C114	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C115	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C116	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C117	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C118	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C119	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C122	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C123	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C124	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C126	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C127	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C128	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C129	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
C130	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C132	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C133	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C139	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C140	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C141	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C142	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C150	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C151	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C152	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C153	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C154	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C155	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C400	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C402	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C404	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C405	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C420	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C500	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C501	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C502	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C503	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C504	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C505	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C506	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C507	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C508	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C509	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C510	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C511	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C512	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C513	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C514	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C515	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C516	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C517	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C518	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C519	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C520	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C521	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C522	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C523	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C524	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C525	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C526	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C527	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C528	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C531	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C532	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C533	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C660	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C70	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C701	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C702	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C705	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
C706	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C707	2301-000106	C-FILM,PEF;1.5nF,0.05,100V,TP,10.5*12.5*	
C709	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C71	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C712	2301-000106	C-FILM,PEF;1.5nF,0.05,100V,TP,10.5*12.5*	
C72	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C73	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C74	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C750	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C801	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C802	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
C803	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C804	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
C805	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
C806	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C807	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C808	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C809	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C810	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C811	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C812	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C813	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C814	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C815	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C816	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C817	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C818	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C819	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C820	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C822	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C823	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C824	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C828	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C829	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C835	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CON501	3709-001141	CONNECTOR-CARD EDGE;136P,1.27mm,ANGLE,AU	
CP101	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP400	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP401	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP402	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP404	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP405	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP406	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP500	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP501	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP502	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP503	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP70	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP700	2401-001529	C-AL;47uF,20%,25V,GP,-,5x11,2mm	
CP703	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP704	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP708	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP71	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP710	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP711	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP713	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP72	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP73	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP74	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP801	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP802	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP803	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP804	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP805	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP806	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP807	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP808	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP809	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP810	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP813	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP814	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP815	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP816	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP817	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP818	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP819	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP820	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	

Loc.No	Part No	Description ; Specification	Remark
CP821	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP823	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP824	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP825	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP826	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP827	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP828	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP829	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP830	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP831	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	
CP832	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	
CP833	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP834	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP835	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP836	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
D1002	0402-000129	DIODE-RECTIFIER;1N4003,200V,1A,DO-41,TP	
D1003	0402-000129	DIODE-RECTIFIER;1N4003,200V,1A,DO-41,TP	
D801	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D804	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D805	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D806	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D807	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D815	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
D816	0403-001390	DIODE-ZENER;RLZ18B,16.82-17.7V,500mW,LL-	
D817	0403-001390	DIODE-ZENER;RLZ18B,16.82-17.7V,500mW,LL-	
DB201	3701-000320	CONNECTOR-DSUB;9P,2R,FEMALE,ANGLE,AUF	
J100	3711-002633	CONNECTOR-HEADER;NOWALL,2P,1R,2.54mm,STR	
J103	3711-000754	CONNECTOR-HEADER;BOX,20P,2R,2.54mm,STRAI	
J104	3711-000577	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAIG	
J400	MF39-00014A	SUPER VIDEO-JACK;4016-4P-MR,-,-,-,-,-,-,	
J70	3711-003133	CONNECTOR-HEADER;BOX,13P,1R,2.5mm,STRAIG	
J801	0603-001051	OPTIC TRANSMITTER;5V,6Mb/s,5m,-15dBm,660	
JR100	3404-001064	SWITCH-TACT;12V,50mA,160gf,6x6x3.5mm,-	
L1002	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L101	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L102	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L103	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L104	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L106	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L700	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L801	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
L802	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L803	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L804	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L805	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L806	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L807	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
MOD801	MF40-00129A	RF MODULATOR;RMUP74055FS(S),PAL,40CHANNE	
Q1006	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1007	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1008	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1009	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1010	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q1010	MF62-00001B	HEAT-SINK;A6063,11X15X20,-,-,-,-	
Q1011	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q1012	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q1015	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1023	0501-000316	TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	
Q1024	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1025	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1026	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q400	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q401	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q402	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q403	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q701	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	

Loc.No	Part No	Description ; Specification	Remark
Q702	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q703	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q704	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q801	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q804	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q805	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q806	0501-000316	TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	
Q807	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q808	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q809	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q810	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q811	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q812	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q813	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q814	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q816	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q817	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q818	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q820	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q821	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q822	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q823	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q824	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q825	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q826	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q827	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q828	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q829	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
R100	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1002	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1003	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1004	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1006	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1007	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1008	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1009	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1010	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1011	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1012	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1013	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1015	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R102	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R1023	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R1024	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R1025	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R1026	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1027	2007-000245	R-CHIP;1.5KOHM,5%,1/8W,DA,TP,3216	
R1028	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1029	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R1030	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1031	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R1032	2001-000044	R-CARBON;1.2KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1033	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R104	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R106	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R108	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R110	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R111	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R112	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R114	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R115	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R116	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R117	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R118	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R119	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R121	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R122	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R1227	2003-000126	R-METAL OXIDE;1.2Kohm,5%,1W,AA,TP,4.3x12	
R1228	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R1229	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R123	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R1230	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1234	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R124	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R125	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R126	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R127	2007-000498	R-CHIP;2.2MOHM,5%,1/10W,DA,TP,2012	
R128	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R129	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R130	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R132	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R133	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R138	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R139	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R140	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R142	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R143	2007-001672	R-CHIP;8.2KOHM,1%,1/10W,DA,TP,2012	
R144	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R145	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R146	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R156	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R157	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R158	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R159	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R160	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R161	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R162	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R163	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R164	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R165	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R166	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R167	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R168	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R169	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R170	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R171	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R172	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R173	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R174	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R175	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R177	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R178	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R179	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R181	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R182	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R183	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R184	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R185	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R186	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R187	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R188	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R189	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R190	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R191	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R192	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R193	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R194	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R195	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R196	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R200	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R2001	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R2002	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R2003	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2004	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2005	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2006	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R2012	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2015	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
R2016	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2018	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2019	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2020	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2021	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2050	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R225	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R226	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R229	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R230	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R231	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R232	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R233	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R234	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R235	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R236	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R240	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R241	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R242	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R243	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R244	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R245	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R246	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R247	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R249	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R250	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R251	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R254	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R258	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R259	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R275	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R278	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R282	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R286	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R288	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R289	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R290	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R400	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R401	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R402	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R403	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R404	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R405	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R406	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R407	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R408	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R409	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R410	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R411	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R412	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R414	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R415	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R417	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R419	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R420	2007-000728	R-CHIP;300OHM,5%,1/10W,DA,TP,2012	
R421	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R422	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R430	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
R431	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R500	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R501	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R502	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R503	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R504	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R505	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R506	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R507	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R508	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R509	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R510	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R511	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R514	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R515	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R516	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R517	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R518	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R519	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R520	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R521	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R522	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R523	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R525	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R526	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R527	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R528	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R529	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R530	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R532	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R533	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R534	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R535	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R536	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R537	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R539	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R541	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R542	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R543	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R544	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R546	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R550	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R690	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R691	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R701	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R703	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R705	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R706	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R707	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R711	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R712	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R714	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R715	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R716	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R728	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R729	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R733	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R734	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R736	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R737	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R738	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R739	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R740	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R741	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R743	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R744	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R750	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R751	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R752	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R753	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R755	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R756	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R757	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R758	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R761	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R801	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R803	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R804	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R806	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R807	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R808	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R809	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R810	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R811	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R812	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R813	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R814	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R815	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R816	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R817	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R818	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R819	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R820	2007-000451	R-CHIP;180OHM,5%,1/8W,DA,TP,3216	
R821	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R822	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R823	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R824	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R825	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R826	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R827	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R828	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R829	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R830	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R831	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R832	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R833	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R834	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R835	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R836	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R837	2007-000447	R-CHIP;180OHM,1%,1/10W,DA,TP,2012	
R838	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R839	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R840	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R841	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R842	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R843	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R844	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R845	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R849	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R850	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R851	2001-000034	R-CARBON;220OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R852	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
R853	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R854	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R855	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R856	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R857	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R858	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R859	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R860	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R861	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R862	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R863	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R864	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R865	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R866	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R867	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R868	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R869	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R870	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R871	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R872	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R873	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R874	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R875	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R877	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R878	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R879	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R880	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R881	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R882	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R883	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R884	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R885	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R886	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R887	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R888	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R889	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R890	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R891	2007-000607	R-CHIP;240OHM,5%,1/10W,DA,TP,2012	
R892	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R893	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R894	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R896	2007-000245	R-CHIP;1.5KOHM,5%,1/8W,DA,TP,3216	
RP2001	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2002	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2003	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2004	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2005	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2006	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2007	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP500	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP501	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP502	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP503	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP504	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP505	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP506	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP507	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP508	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP509	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP510	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP511	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP513	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP514	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP515	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP516	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP517	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP518	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP519	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP520	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP521	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP522	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP523	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP524	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
T1001	MF40-00124A	TUNER-SILICON;ICTM200009,-,PAL-MULTI,-,-	
C1	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C10	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C103	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C105	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	

Loc.No	Part No	Description ; Specification	Remark
C106	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C107	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C108	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C109	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C11	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C110	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C111	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C112	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C113	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C114	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C115	2203-000800	C-CERAMIC,CHIP;33nF,10%,25V,X7R,TP,1608	
C116	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
C117	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C118	2402-001071	C-AL,SMD;220uF,20%,10V,GP,TP,8.3x8.3x6.	
C119	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C12	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C120	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C121	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C14	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C16	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C2	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C201	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C202	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C203	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C204	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C205	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C206	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C207	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C208	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C209	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C210	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C211	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C212	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C213	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C214	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C215	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C216	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C217	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C218	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C219	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C220	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C221	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C222	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C223	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C224	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C225	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C226	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C3	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C5	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C6	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C7	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C9	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
J101	MF70-00193A	SHIELD;EUROSTAR,ET (#50-50),0.4,-,54,	
J201	3711-004724	CONNECTOR-HEADER;NOWALL,31P,1R,2.5mm,ANG	
L102	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L103	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L104	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L105	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L201	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L202	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
Q1	0501-000519	TR-SMALL SIGNAL;BFP183,NPN,450mW,SOT-143	
R1	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R101	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
R102	2007-000043	R-CHIP;1Kohm,1%,1/16W,DA,TP,1608	
R105	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
R2	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	

Loc.No	Part No	Description ; Specification	Remark
R201	2007-000971	R-CHIP;5.1ohm,5%,1/16W,DA,TP,1608	
R202	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
R203	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R204	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R205	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R206	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R207	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
R208	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R209	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R210	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R211	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R212	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R3	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	
R4	2007-000028	R-CHIP;39OHM,5%,1/10W,DA,TP,2012	
R5	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
R6	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
R8	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R9	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
T101	MD26-00107A	TRANS;BTB003-1,-,5P,5.6uH,-,-,-,-,-,	
U1	1204-001686	IC-TUNER;1821,QFP,48P,276MIL,PALSTIC,5.	
U2	1204-001685	IC-DECODER;HM1221,QFP,100P,-,PLRASTIC,3.	
Y1	2801-004002	CRYSTAL-UNIT;10.111MHz,30ppm,28-AAA,20pF	
T801	3722-001345	JACK-SCART;42P/2R,-,SN,BLK,-	
T802	3722-001735	JACK-PIN;4P/4C,8.3PI,NI,WHT/YEL/RED/BLK	
U100	1204-001809	IC-ENCODER/DECODER;STI5512AWE,BGA,256P,1	
U1004	1203-000157	IC-POSI.ADJUST REG.;317,TO-220,3P,-,PLAS	
U101	0801-002536	IC-CMOS LOGIC;74LCX04,INVERTER,SOIC,14P,	
U102	1203-001758	IC-RESET;1813,SOT-23,3P,-,PLASTIC,-0.5/	
U103	0801-001090	IC-CMOS LOGIC;74HC14,SCHIMITT INVERTER,S	
U104	0803-000111	IC-TTL;74F138,1-OF-8 ENCODER/DEMUX,SO	
U105	0801-002370	IC-CMOS LOGIC;74AC377,D FILP-FLOP,TSSOP,	
U106	0801-002370	IC-CMOS LOGIC;74AC377,D FILP-FLOP,TSSOP,	
U108	1107-001238	IC-FLASH MEMORY;29LV160,2Mx8/1Mx16Bit,TS	
U112	1105-001390	IC-DRAM;K4S641632F,4X1MX16BIT,TSOP(II)	
U113	1103-001090	IC-EEPROM;24C128,16Kx8BIT,SOP,8P,150MIL,	
U114	1103-001090	IC-EEPROM;24C128,16Kx8BIT,SOP,8P,150MIL,	
U201	1006-000347	IC-LINE TRANSCEIVER;202,SOP,16P,150MIL,D	
U500	0904-001568	IC-PHERIPHERAL CONT.;CIMAX VER.2,8BIT,QF	
U501	0802-001037	IC-BICMOS LOGIC;74LVT245,BUS TRANSCEIVER	
U502	0801-002511	IC-CMOS LOGIC;74VHC373,D-type latch,TSSO	
U503	0801-002511	IC-CMOS LOGIC;74VHC373,D-type latch,TSSO	
U504	1203-001834	IC-VOL. DETECTOR;1478,SOP,16P,150MIL,PLA	
U70	1203-001455	IC-POSI.FIXED REG.;1117,DPAK,3P,265MIL,P	
U700	1002-001059	IC-D/A CONVERTER;CS4330-KS,18BIT,SOP,8P,	
U701	1201-000167	IC-OP AMP;358,SOP,8P,150MIL,DUAL,100V/mV	
U71	1203-001455	IC-POSI.FIXED REG.;1117,DPAK,3P,265MIL,P	
U72	1203-000273	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
U750	1205-002067	IC-TRANSMITTER;STA020D,SO,24P,295MIL,-,3	
U801	1001-000172	IC-ANALOG SWITCH;4053,SPDT CMOS,SOP,16P,	
VD100	0405-000117	DIODE-VARACTOR;1SV215,30V,10nA,USC,TP	
VD101	0405-000117	DIODE-VARACTOR;1SV215,30V,10nA,USC,TP	
X100	2801-003365	CRYSTAL-UNIT;27MHZ,20PPM,28-AAM,17PF,35O	
X1001	1404-000154	THERMISTOR-PTC;0.47ohm,-,-,60Vac,40A,1.8	
X800	1404-000233	THERMISTOR-PTC;0.48ohm,-,-,60Vac,40A,1.3	
3	**MF95-10004F**	**MAIN PCB ASSY;SRV20901FA,DSR9500(VIA)**	
SC600	3709-001132	CONNECTOR-CARD EDGE;20P,2.54MM,ANGLE,AUF	
BD103	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
BD104	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD105	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD106	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD107	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD108	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
BD109	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
BD110	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
BD70	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	

Loc.No	Part No	Description ; Specification	Remark
BD700	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD71	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD72	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD73	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD74	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD75	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD801	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
C100	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1001	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1007	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1008	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1009	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C101	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C102	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C103	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C104	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C105	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C106	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1066	2401-001415	C-AL;470uF,20%,35V,GP,TP,10x20,5	
C107	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C108	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C109	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C110	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C111	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C112	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C113	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C114	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C115	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C116	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C117	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C118	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C119	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C122	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C123	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C124	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C126	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C127	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C128	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C129	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C130	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C132	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C133	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C139	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C140	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C141	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C142	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C150	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C151	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C152	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C153	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C154	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C155	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C400	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C402	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C404	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C405	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C420	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C600	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C601	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C602	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C603	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C604	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C605	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C607	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C608	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C609	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
C650	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C651	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C652	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C653	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C654	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C655	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C656	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C657	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C658	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C659	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C660	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C661	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,	
C662	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C663	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C664	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C665	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C70	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C701	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C702	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C705	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
C706	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C707	2301-000106	C-FILM,PEF;1.5nF,0.05,100V,TP,10.5*12.5*	
C709	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C71	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C712	2301-000106	C-FILM,PEF;1.5nF,0.05,100V,TP,10.5*12.5*	
C72	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C73	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C74	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C750	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C801	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C802	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C803	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C804	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
C805	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
C806	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C807	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C808	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C809	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C810	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C811	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C812	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C813	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C814	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C815	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C816	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C817	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C818	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C819	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C820	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C822	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C823	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C824	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C828	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C829	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C835	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP101	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP400	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP401	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP402	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP404	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP405	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP406	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP70	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP700	2401-001529	C-AL;47uF,20%,25V,GP,-,5x11,2mm	
CP703	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP704	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	

Loc.No	Part No	Description ; Specification	Remark
CP708	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP71	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP710	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP711	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP713	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP72	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP73	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP74	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP801	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP802	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP803	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP804	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP805	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP806	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP807	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP808	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP809	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP810	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP813	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP814	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP815	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP816	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP817	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP818	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP819	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP820	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP821	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP823	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP824	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP825	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP826	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP827	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP828	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP829	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP830	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP831	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	
CP832	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	
CP833	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP834	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP835	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP836	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
D1002	0402-000129	DIODE-RECTIFIER;1N4003,200V,1A,DO-41,TP	
D1003	0402-000129	DIODE-RECTIFIER;1N4003,200V,1A,DO-41,TP	
D801	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D804	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D805	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D806	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D807	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D815	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
D816	0403-001390	DIODE-ZENER;RLZ18B,16.82-17.7V,500mW,LL-	
D817	0403-001390	DIODE-ZENER;RLZ18B,16.82-17.7V,500mW,LL-	
DB201	3701-000320	CONNECTOR-DSUB;9P,2R,FEMALE,ANGLE,AUF	
J100	3711-002633	CONNECTOR-HEADER;NOWALL,2P,1R,2.54mm,STR	
J103	3711-000754	CONNECTOR-HEADER;BOX,20P,2R,2.54mm,STRAI	
J104	3711-000577	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAIG	
J400	MF39-00014A	SUPER VIDEO-JACK;4016-4P-MR,-,-,-,-,-,-,	
J70	3711-003133	CONNECTOR-HEADER;BOX,13P,1R,2.5mm,STRAIG	
J801	0603-001051	OPTIC TRANSMITTER;5V,6Mb/s,5m,-15dBm,660	
JR100	3404-001064	SWITCH-TACT;12V,50mA,160gf,6x6x3.5mm,-	
L1002	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L101	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L102	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L103	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L104	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L106	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L700	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	

Loc.No	Part No	Description ; Specification	Remark
L801	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
L802	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L803	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L804	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L805	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L806	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L807	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
MOD801	MF40-00129A	RF MODULATOR;RMUP74055FS(S),PAL,40CHANNE	
Q1006	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1007	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1008	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1009	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1010	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q1011	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q1012	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q1015	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1023	0501-000316	TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	
Q1024	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1025	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1026	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q400	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q401	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q402	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q403	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q650	0501-000316	TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	
Q701	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q702	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q703	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q704	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q801	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q804	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q805	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q806	0501-000316	TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	
Q807	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q808	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q809	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q810	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q811	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q812	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q813	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q814	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q816	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q817	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q818	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q820	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q821	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q822	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q823	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q824	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q825	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q826	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q827	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q828	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q829	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
R100	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1002	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1003	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1004	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1006	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1007	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1008	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1009	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1010	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1011	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1012	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1013	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R1015	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R102	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R1023	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R1024	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R1025	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R1026	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1027	2007-000245	R-CHIP;1.5KOHM,5%,1/8W,DA,TP,3216	
R1028	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1029	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R1030	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1031	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R1032	2001-000044	R-CARBON;1.2KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1033	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R104	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R106	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R108	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R110	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R111	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R112	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R114	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R115	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R116	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R117	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R118	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R119	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R121	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R122	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R1227	2003-000126	R-METAL OXIDE;1.2Kohm,5%,1W,AA,TP,4.3x12	
R1228	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R1229	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R123	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R1230	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1234	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R124	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R125	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R126	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R127	2007-000498	R-CHIP;2.2MOHM,5%,1/10W,DA,TP,2012	
R128	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R129	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R130	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R132	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R133	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R138	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R139	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R140	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R142	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R143	2007-001672	R-CHIP;8.2KOHM,1%,1/10W,DA,TP,2012	
R144	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R145	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R146	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R156	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R157	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R158	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R159	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R160	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R161	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R162	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R163	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R164	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R165	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R166	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R167	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R168	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R169	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R170	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R171	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R172	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R173	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R174	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R175	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R177	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R178	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R179	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R181	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R182	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R183	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R184	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R185	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R186	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R187	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R188	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R189	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R190	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R191	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R192	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R193	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R194	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R195	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R196	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R197	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R200	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R2001	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R2002	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R2003	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2004	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2005	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2006	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R2012	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2015	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-	
R2016	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2018	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2019	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2020	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2021	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2050	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R225	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R226	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R229	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R230	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R231	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R232	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R233	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R234	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R235	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R236	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R240	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R241	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R242	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R243	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R244	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R245	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R246	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R247	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R249	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R250	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R251	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R254	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R258	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R259	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R275	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R278	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R282	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R286	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R288	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R289	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R290	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R400	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R401	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R402	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R403	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R404	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R405	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R406	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R407	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R408	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R409	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R410	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R411	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R412	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R414	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R415	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R417	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R419	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R420	2007-000728	R-CHIP;300OHM,5%,1/10W,DA,TP,2012	
R421	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R422	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R430	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
R431	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R542	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R600	2007-000546	R-CHIP;20KOHM,5%,1/10W,DA,TP,2012	
R601	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R602	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R605	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R606	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R607	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R608	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R611	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R651	2007-000546	R-CHIP;20KOHM,5%,1/10W,DA,TP,2012	
R652	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R653	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R656	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R657	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R658	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R659	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R662	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R669	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R670	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R671	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R672	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R673	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R674	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R675	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R676	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R677	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R681	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R684	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R686	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R688	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R690	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R691	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R692	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R701	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R703	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R705	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R706	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R707	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R711	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R712	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R714	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R715	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R716	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R728	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R729	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R733	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R734	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R736	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R737	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R738	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R739	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R740	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R741	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R743	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R744	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R750	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R751	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R752	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R753	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R755	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R756	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R757	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R758	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R761	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R769	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R790	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R791	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R792	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R793	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R794	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R795	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R796	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R797	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R798	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R799	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R801	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R803	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R804	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R806	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R807	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R808	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R809	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R810	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R811	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R812	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R813	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R814	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R815	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R816	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R817	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R818	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R819	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R820	2007-000451	R-CHIP;180OHM,5%,1/8W,DA,TP,3216	
R821	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R822	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R823	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R824	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R825	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R826	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R827	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R828	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R829	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R830	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R831	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R832	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R833	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R834	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R835	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R836	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R837	2007-000447	R-CHIP;180OHM,1%,1/10W,DA,TP,2012	
R838	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R839	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R840	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R841	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R842	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R843	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R844	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R845	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R849	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R850	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R851	2001-000034	R-CARBON;220OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R852	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
R853	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R854	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R855	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R856	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R857	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R858	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R859	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R860	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R861	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R862	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R863	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R864	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R865	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R866	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R867	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R868	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R869	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R870	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R871	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R872	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R873	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R874	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R875	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R877	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R878	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R879	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R880	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R881	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R882	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R883	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R884	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R885	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R886	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R887	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R888	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R889	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R890	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R891	2007-000607	R-CHIP;240OHM,5%,1/10W,DA,TP,2012	
R892	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R893	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R894	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R896	2007-000245	R-CHIP;1.5KOHM,5%,1/8W,DA,TP,3216	
RP2001	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2002	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2003	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2004	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2005	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2006	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2007	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
T1001	MF40-00124A	TUNER-SILICON;ICTM200009,-,PAL-MULTI,-,-	

Loc.No	Part No	Description ; Specification	Remark
C1	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C10	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C103	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C105	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C106	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C107	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C108	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C109	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C11	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C110	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C111	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C112	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C113	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C114	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C115	2203-000800	C-CERAMIC,CHIP;33nF,10%,25V,X7R,TP,1608	
C116	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
C117	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C118	2402-001071	C-AL,SMD;220uF,20%,10V,GP,TP,8.3x8.3x6.	
C119	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C12	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C120	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C121	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C14	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C16	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C2	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C201	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C202	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C203	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C204	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C205	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C206	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C207	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C208	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C209	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C210	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C211	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C212	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C213	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C214	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C215	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C216	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C217	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C218	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C219	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C220	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C221	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C222	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C223	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C224	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C225	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C226	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C3	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C5	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C6	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C7	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C9	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
J101	MF70-00193A	SHIELD;EUROSTAR,ET (#50-50),0.4,-,54,	
J201	3711-004724	CONNECTOR-HEADER;NOWALL,31P,1R,2.5mm,ANG	
L102	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L103	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L104	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L105	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L201	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L202	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
Q1	0501-000519	TR-SMALL SIGNAL;BFP183,NPN,450mW,SOT-143	
R1	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	

Loc.No	Part No	Description ; Specification	Remark
R101	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
R102	2007-000043	R-CHIP;1Kohm,1%,1/16W,DA,TP,1608	
R105	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
R2	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
R201	2007-000971	R-CHIP;5.1ohm,5%,1/16W,DA,TP,1608	
R202	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
R203	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R204	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R205	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R206	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R207	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
R208	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R209	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R210	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R211	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R212	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R3	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	
R4	2007-000028	R-CHIP;39OHM,5%,1/10W,DA,TP,2012	
R5	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
R6	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
R8	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R9	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
T101	MD26-00107A	TRANS;BTB003-1,-,5P,5.6uH,-,-,-,-,-,	
U1	1204-001686	IC-TUNER;1821,QFP,48P,276MIL,PALSTIC,5.	
U2	1204-001685	IC-DECODER;HM1221,QFP,100P,-,PLRASTIC,3.	
Y1	2801-004002	CRYSTAL-UNIT;10.111MHz,30ppm,28-AAA,20pF	
T801	3722-001345	JACK-SCART;42P/2R,-,SN,BLK,-	
T802	3722-001735	JACK-PIN;4P/4C,8.3PI,NI,WHT/YEL/RED/BLK	
U100	1204-001809	IC-ENCODER/DECODER;STI5512AWE,BGA,256P,1	
U1004	1203-000157	IC-POSI.ADJUST REG.;317,TO-220,3P,-,PLAS	
U101	0801-002536	IC-CMOS LOGIC;74LCX04,INVERTER,SOIC,14P,	
U102	1203-001758	IC-RESET;1813,SOT-23,3P,-,PLASTIC,-0.5/	
U103	0801-001090	IC-CMOS LOGIC;74HC14,SCHIMITT INVERTER,S	
U104	0803-000111	IC-TTL;74F138,1-OF-8 ENCODER/DEMUX,SO	
U105	0801-002370	IC-CMOS LOGIC;74AC377,D FILP-FLOP,TSSOP,	
U106	0801-002370	IC-CMOS LOGIC;74AC377,D FILP-FLOP,TSSOP,	
U108	1107-001238	IC-FLASH MEMORY;29LV160,2Mx8/1Mx16Bit,TS	
U112	1105-001390	IC-DRAM;K4S641632F,4X1MX16BIT,TSOP(II)	
U113	1103-001090	IC-EEPROM;24C128,16Kx8BIT,SOP,8P,150MIL,	
U114	1103-001090	IC-EEPROM;24C128,16Kx8BIT,SOP,8P,150MIL,	
U201	1006-000347	IC-LINE TRANSCEIVER;202,SOP,16P,150MIL,D	
U600	1205-001448	IC-ICC;TDA8004T,SOP,28P,-,PLASTIC,6.5	
U650	1205-001448	IC-ICC;TDA8004T,SOP,28P,-,PLASTIC,6.5	
U651	1203-002242	IC-RESET;1233,SOT-223,4P,-,PLASTIC,-,-,	
U652	0801-002536	IC-CMOS LOGIC;74LCX04,INVERTER,SOIC,14P,	
U653	0801-002536	IC-CMOS LOGIC;74LCX04,INVERTER,SOIC,14P,	
U70	1203-001455	IC-POSI.FIXED REG.;1117,DPAK,3P,265MIL,P	
U700	1002-001059	IC-D/A CONVERTER;CS4330-KS,18BIT,SOP,8P,	
U701	1201-000167	IC-OP AMP;358,SOP,8P,150MIL,DUAL,100V/mV	
U71	1203-001455	IC-POSI.FIXED REG.;1117,DPAK,3P,265MIL,P	
U72	1203-000273	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
U750	1205-002067	IC-TRANSMITTER;STA020D,SO,24P,295MIL,-,3	
U801	1001-000172	IC-ANALOG SWITCH;4053,SPDT CMOS,SOP,16P,	
VD100	0405-000117	DIODE-VARACTOR;1SV215,30V,10nA,USC,TP	
VD101	0405-000117	DIODE-VARACTOR;1SV215,30V,10nA,USC,TP	
X100	2801-003365	CRYSTAL-UNIT;27MHZ,20PPM,28-AAM,17PF,35O	
X1001	1404-000154	THERMISTOR-PTC;0.47ohm,-,-,60Vac,40A,1.8	
X601	2801-004088	CRYSTAL-UNIT;3.5714MHZ,30PPM,28-AAM,16PF	
X800	1404-000233	THERMISTOR-PTC;0.48ohm,-,-,60Vac,40A,1.3	
3	**MF95-10004G**	**MAIN PCB ASSY;SRV22901FA,DSR9500(VIA/CI)**	
BD103	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
BD104	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD105	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD106	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD107	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
BD108	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
BD109	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
BD110	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
BD70	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD700	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD71	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD72	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD73	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD74	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD75	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
BD801	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
C1	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C10	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C100	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1001	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1007	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1008	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C1009	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C101	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C102	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C103	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C103	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C104	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C105	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C105	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C106	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C106	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C1066	2401-001415	C-AL;470uF,20%,35V,GP,TP,10x20,5	
C107	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C107	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C108	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C108	2203-000815	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
C109	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C109	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C11	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C110	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C110	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C111	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C111	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C112	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C112	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C113	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C113	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C114	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C114	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C115	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C115	2203-000800	C-CERAMIC,CHIP;33nF,10%,25V,X7R,TP,1608	
C116	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C116	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
C117	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C117	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C118	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C118	2402-001071	C-AL,SMD;220uF,20%,10V,GP,TP,8.3x8.3x6.	
C119	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C119	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C12	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C120	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C121	2203-005171	C-CERAMIC,CHIP;1uF,10%,16V,X7R,TP,2012,-	
C122	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C123	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C124	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C126	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C127	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C128	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C129	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C130	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
C132	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C133	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C139	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C14	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C140	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C141	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C142	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C150	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C151	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C152	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C153	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C154	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C155	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C16	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C2	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C201	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C202	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C203	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C204	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C205	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C206	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C207	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C208	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C209	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C210	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C211	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C212	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C213	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C214	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C215	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C216	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C217	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C218	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C219	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C220	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C221	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C222	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C223	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C224	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C225	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C226	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C3	2203-001086	C-CERAMIC,CHIP;0.005nF,0.25pF,50V,NP0,TP	
C400	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C402	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C404	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C405	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C420	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C5	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C500	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C501	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C502	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C503	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C504	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C505	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C506	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C507	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C508	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C509	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C510	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C511	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C512	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C513	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C514	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C515	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C516	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C517	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C518	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C519	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C520	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C521	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C522	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C523	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C524	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C525	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C526	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C527	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C528	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C531	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C532	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C533	2203-000426	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,160	
C6	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C600	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C601	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C602	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C603	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C604	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C605	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C607	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C608	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C609	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C650	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C651	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C652	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C653	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C654	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C655	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C656	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C657	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C658	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C659	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C660	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C661	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,	
C662	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C663	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C664	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C665	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C7	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C70	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C701	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C702	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C705	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
C706	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C707	2301-000106	C-FILM,PEF;1.5nF,0.05,100V,TP,10.5*12.5*	
C709	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C71	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C712	2301-000106	C-FILM,PEF;1.5nF,0.05,100V,TP,10.5*12.5*	
C72	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C73	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C74	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C750	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C801	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C802	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C803	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C804	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
C805	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
C806	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C807	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C808	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C809	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C810	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C811	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C812	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
C813	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C814	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C815	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C816	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C817	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C818	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C819	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C820	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C822	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C823	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C824	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C828	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C829	2203-001002	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C835	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
C9	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CON501	3709-001141	CONNECTOR-CARD EDGE;136P,1.27mm,ANGLE,AU	
CP101	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP400	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP401	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP402	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP404	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP405	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP406	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP500	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP501	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP502	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP503	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP70	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP700	2401-001529	C-AL;47uF,20%,25V,GP,-,5x11,2mm	
CP703	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP704	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP708	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP71	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP710	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP711	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP713	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP72	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP73	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP74	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP801	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP802	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP803	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
CP804	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP805	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP806	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP807	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP808	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP809	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP810	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP813	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP814	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP815	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP816	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP817	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP818	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP819	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP820	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP821	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP823	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP824	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP825	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP826	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP827	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CP828	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP829	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	
CP830	2401-000273	AL CAPACITOR;100uF,20%,16V,GP,-,6.3x11,2	

Loc.No	Part No	Description ; Specification	Remark
CP831	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	
CP832	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	
CP833	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP834	2401-001287	C-AL;47uF,20%,16V,GP,TP,5x12mm,-	
CP835	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
CP836	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
D1002	0402-000129	DIODE-RECTIFIER;1N4003,200V,1A,DO-41,TP	
D1003	0402-000129	DIODE-RECTIFIER;1N4003,200V,1A,DO-41,TP	
D801	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D804	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D805	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D806	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D807	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D815	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
D816	0403-001390	DIODE-ZENER;RLZ18B,16.82-17.7V,500mW,LL-	
D817	0403-001390	DIODE-ZENER;RLZ18B,16.82-17.7V,500mW,LL-	
DB201	3701-000320	CONNECTOR-DSUB;9P,2R,FEMALE,ANGLE,AUF	
J100	3711-002633	CONNECTOR-HEADER;NOWALL,2P,1R,2.54mm,STR	
J101	MF70-00193A	SHIELD;EUROSTAR,ET (#50-50),0.4,-,54,	
J103	3711-000754	CONNECTOR-HEADER;BOX,20P,2R,2.54mm,STRAI	
J104	3711-000577	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAIG	
J201	3711-004724	CONNECTOR-HEADER;NOWALL,31P,1R,2.5mm,ANG	
J400	MF39-00014A	SUPER VIDEO-JACK;4016-4P-MR,-,-,-,-,-,-,	
J70	3711-003133	CONNECTOR-HEADER;BOX,13P,1R,2.5mm,STRAIG	
J801	0603-001051	OPTIC TRANSMITTER;5V,6Mb/s,5m,-15dBm,660	
JR100	3404-001064	SWITCH-TACT;12V,50mA,160gf,6x6x3.5mm,-	
L1002	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L101	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L102	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L102	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L103	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L103	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L104	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L104	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L105	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L106	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L201	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
L202	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
L700	2703-000125	INDUCTOR-SMD;10uH,10%,1.25x2x1.25mm	
L801	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,	
L802	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L803	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L804	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L805	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L806	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
L807	2703-000229	INDUCTOR-SMD;6.8UH,20%,1.25X2X1.25MM	
MOD801	MF40-00129A	RF MODULATOR;RMUP74055FS(S),PAL,40CHANNE	
Q1	0501-000519	TR-SMALL SIGNAL;BFP183,NPN,450mW,SOT-143	
Q1006	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1007	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1008	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1009	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1010	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q1011	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q1012	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q1015	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1023	0501-000316	TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	
Q1024	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1025	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q1026	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q400	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q401	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q402	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q403	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q650	0501-000316	TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	
Q701	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	

Loc.No	Part No	Description ; Specification	Remark
Q702	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q703	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q704	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q801	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q804	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q805	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q806	0501-000316	TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	
Q807	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q808	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q809	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q810	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q811	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q812	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q813	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q814	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q816	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q817	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q818	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q820	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q821	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q822	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q823	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
Q824	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q825	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q826	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q827	0501-000462	TR-SMALL SIGNAL;MMBT2907A,PNP,350MW,SOT-	
Q828	0502-000360	TR-POWER;TIP42C,PNP,65000MW,TO-220,TP,1	
Q829	0504-000180	TR-DIGITAL;DTC114ES,NPN,300mW,10K/10K,SC	
R1	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R100	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1002	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1003	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1004	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1006	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1007	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1008	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1009	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R101	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
R1010	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1011	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1012	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1013	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1015	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R102	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R102	2007-000043	R-CHIP;1Kohm,1%,1/16W,DA,TP,1608	
R1023	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R1024	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R1025	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R1026	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R1027	2007-000245	R-CHIP;1.5KOHM,5%,1/8W,DA,TP,3216	
R1028	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1029	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R1030	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1031	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R1032	2001-000044	R-CARBON;1.2KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1033	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R104	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R105	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
R106	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R108	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R110	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R111	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R112	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R114	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R115	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R116	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R117	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R118	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R119	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R121	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R122	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R1227	2003-000126	R-METAL OXIDE;1.2Kohm,5%,1W,AA,TP,4.3x12	
R1228	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R1229	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R123	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R1230	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1234	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R124	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R125	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R126	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R127	2007-000498	R-CHIP;2.2MOHM,5%,1/10W,DA,TP,2012	
R128	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R129	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R130	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R132	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R133	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R138	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R139	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R140	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R142	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R143	2007-001672	R-CHIP;8.2KOHM,1%,1/10W,DA,TP,2012	
R144	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R145	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R146	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R156	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R157	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R158	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R159	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R160	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R161	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R162	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R163	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R164	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R165	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R166	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R167	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R168	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R169	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R170	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R171	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R172	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R173	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R174	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R175	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R177	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R178	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R179	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R181	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R182	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R183	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R184	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R185	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R186	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R187	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R188	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R189	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R190	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R191	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R192	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R193	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R194	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R195	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R196	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R197	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R2	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
R200	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R2001	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R2002	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R2003	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2004	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2005	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2006	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R201	2007-000971	R-CHIP;5.1ohm,5%,1/16W,DA,TP,1608	
R2012	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2015	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
R2016	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2018	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2019	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R202	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
R2020	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R2021	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R203	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R204	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R205	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R2050	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R206	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R207	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
R208	2007-000729	R-CHIP;300ohm,5%,1/16W,DA,TP,1608	
R209	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R210	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R211	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R212	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R225	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R226	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R229	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R230	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R231	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R232	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R233	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R234	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R235	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R236	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R240	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R241	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R242	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R243	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R244	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R245	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R246	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R247	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R249	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R250	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R251	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R254	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R258	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R259	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R275	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R278	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R282	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R286	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R288	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R289	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R290	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R3	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	
R4	2007-000028	R-CHIP;39OHM,5%,1/10W,DA,TP,2012	
R400	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R401	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R402	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R403	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R404	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R405	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R406	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R407	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R408	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R409	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R410	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R411	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R412	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R414	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R415	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R417	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R419	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R420	2007-000728	R-CHIP;300OHM,5%,1/10W,DA,TP,2012	
R421	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R422	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R430	MF27-00010D	HZ CHIP INDUCTOR;-,2.0x1.25x0.9,-,-,-,-,	
R431	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R5	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
R500	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R501	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R502	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R503	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R504	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R505	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R506	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R507	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R508	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R509	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R510	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R511	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R514	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R515	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R516	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R517	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R518	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R519	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R520	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R521	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R522	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R523	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R525	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R526	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R527	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R528	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R529	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R530	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R532	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R533	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R534	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R535	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R536	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R537	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R539	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R541	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R542	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R543	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R544	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R546	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R550	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R6	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
R600	2007-000546	R-CHIP;20KOHM,5%,1/10W,DA,TP,2012	
R601	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R602	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R605	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R606	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R607	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R608	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R611	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R651	2007-000546	R-CHIP;20KOHM,5%,1/10W,DA,TP,2012	
R652	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R653	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R656	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R657	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R658	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R659	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R662	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R669	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R670	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R671	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R672	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R673	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R674	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R675	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R676	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R677	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R681	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R684	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R686	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R688	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R690	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R691	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R692	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R701	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R703	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R705	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R706	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R707	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R711	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R712	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R714	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R715	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R716	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R728	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R729	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R733	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R734	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R736	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R737	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R738	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R739	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R740	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R741	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R743	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R744	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R750	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R751	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R752	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R753	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R755	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R756	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R757	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R758	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R761	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R8	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R801	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R803	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R804	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R806	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R807	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R808	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	

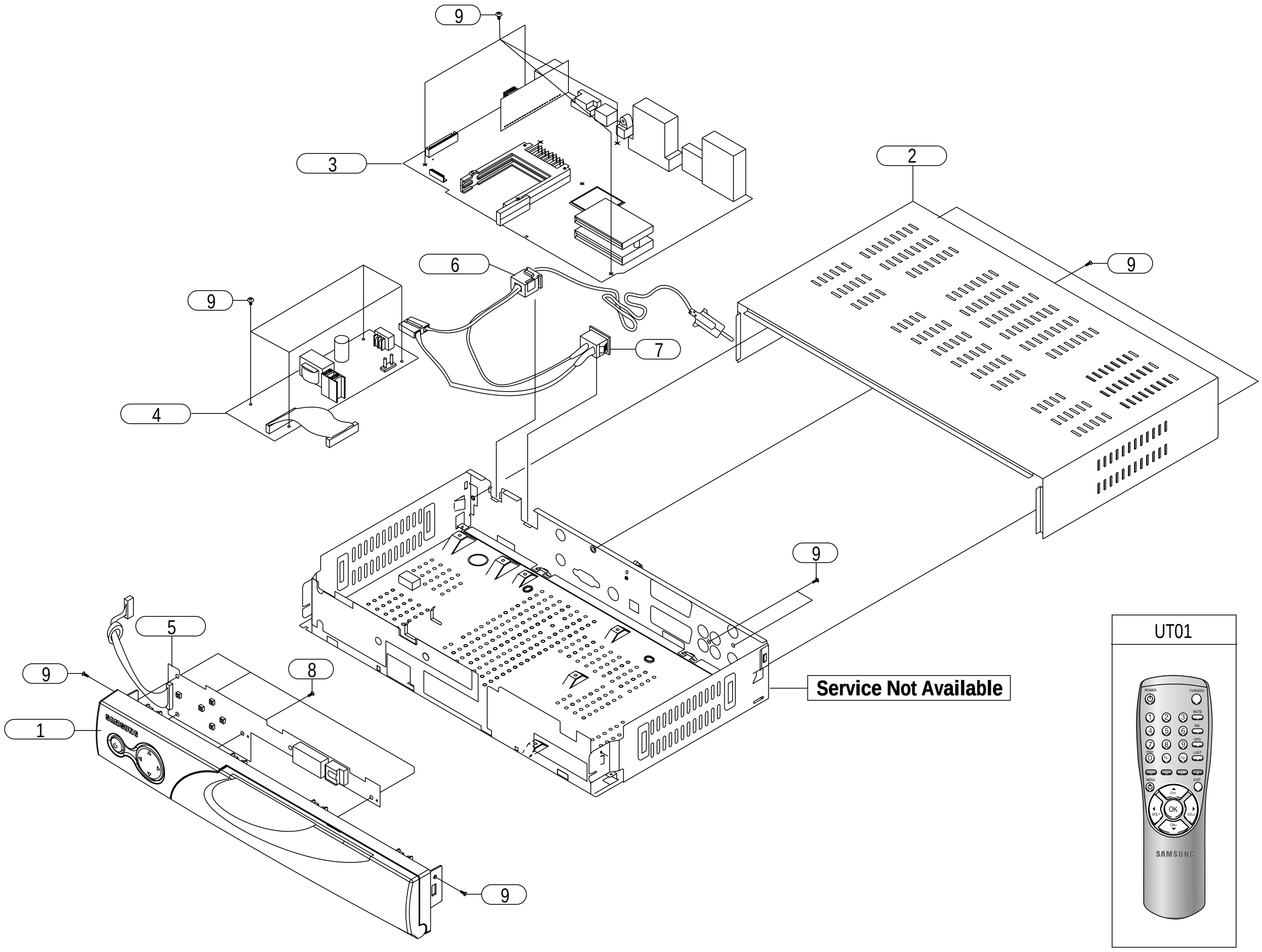
Loc.No	Part No	Description ; Specification	Remark
R809	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R810	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R811	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R812	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R813	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R814	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R815	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R816	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R817	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R818	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R819	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R820	2007-000451	R-CHIP;180OHM,5%,1/8W,DA,TP,3216	
R821	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R822	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R823	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R824	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R825	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R826	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R827	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R828	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R829	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R830	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R831	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R832	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R833	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R834	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R835	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R836	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R837	2007-000447	R-CHIP;180OHM,1%,1/10W,DA,TP,2012	
R838	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R839	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R840	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R841	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R842	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R843	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R844	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R845	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R849	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R850	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R851	2001-000034	R-CARBON;220OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R852	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
R853	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R854	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R855	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R856	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R857	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R858	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R859	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R860	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R861	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R862	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R863	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R864	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R865	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R866	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R867	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R868	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R869	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R870	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R871	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R872	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R873	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R874	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R875	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R877	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R878	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R879	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R880	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R881	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R882	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R883	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R884	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R885	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R886	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R887	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R888	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R889	2007-000026	R-CHIP;200OHM,5%,1/10W,DA,TP,2012	
R890	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R891	2007-000607	R-CHIP;240OHM,5%,1/10W,DA,TP,2012	
R892	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R893	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R894	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R896	2007-000245	R-CHIP;1.5KOHM,5%,1/8W,DA,TP,3216	
R9	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP2001	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2002	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2003	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2004	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2005	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2006	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP2007	2011-000151	R-NETWORK;100ohm,5%,63mW,L,CHIP,8P,TP	
RP500	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP501	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP502	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP503	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP504	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP505	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP506	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP507	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP508	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP509	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP510	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP511	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP513	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP514	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP515	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP516	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP517	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP518	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP519	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP520	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP521	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP522	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP523	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
RP524	2011-000881	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	
SC600A	3709-001132	CONNECTOR-CARD EDGE;20P,2.54MM,ANGLE,AUF	
T1001	MF40-00124A	TUNER-SILICON;ICTM200009,-,PAL-MULTI,-,-	
T101	MD26-00107A	TRANS;BTB003-1,-,5P,5.6uH,-,-,-,-,-,	
T801	3722-001345	JACK-SCART;42P/2R,-,SN,BLK,-	
T802	3722-001735	JACK-PIN;4P/4C,8.3PI,NI,WHT/YEL/RED/BLK	
U1	1204-001686	IC-TUNER;1821,QFP,48P,276MIL,PALSTIC,5.	
U100	1204-001809	IC-ENCODER/DECODER;STI5512AWE,BGA,256P,1	
U1004	1203-000157	IC-POSI.ADJUST REG.;317,TO-220,3P,-,PLAS	
U101	0801-002536	IC-CMOS LOGIC;74LCX04,INVERTER,SOIC,14P,	
U102	1203-001758	IC-RESET;1813,SOT-23,3P,-,PLASTIC,-0.5/	
U103	0801-001090	IC-CMOS LOGIC;74HC14,SCHIMITT INVERTER,S	
U104	0803-000111	IC-TTL;74F138,1-OF-8 ENCODER/DEMUX,SO	
U105	0801-002370	IC-CMOS LOGIC;74AC377,D FILP-FLOP,TSSOP,	
U106	0801-002370	IC-CMOS LOGIC;74AC377,D FILP-FLOP,TSSOP,	
U108	1107-001238	IC-FLASH MEMORY;29LV160,2Mx8/1Mx16Bit,TS	
U112	1105-001390	IC-DRAM;K4S641632F,4X1MX16BIT,TSOP(II)	
U113	1103-001090	IC-EEPROM;24C128,16Kx8BIT,SOP,8P,150MIL,	

Loc.No	Part No	Description ; Specification	Remark
U114	1103-001090	IC-EEPROM;24C128,16Kx8BIT,SOP,8P,150MIL,	
U2	1204-001685	IC-DECODER;HM1221,QFP,100P,-,PLRASTIC,3.	
U201	1006-000347	IC-LINE TRANSCEIVER;202,SOP,16P,150MIL,D	
U500	0904-001568	IC-PHERIPHERAL CONT.;CIMAX VER.2,8BIT,QF	
U501	0802-001037	IC-BICMOS LOGIC;74LVT245,BUS TRANSCEIVER	
U502	0801-002511	IC-CMOS LOGIC;74VHC373,D-type latch,TSSO	
U503	0801-002511	IC-CMOS LOGIC;74VHC373,D-type latch,TSSO	
U504	1203-001834	IC-VOL. DETECTOR;1478,SOP,16P,150MIL,PLA	
U600	1205-001448	IC-ICC;TDA8004T,SOP,28P,-,PLASTIC,6.5	
U650	1205-001448	IC-ICC;TDA8004T,SOP,28P,-,PLASTIC,6.5	
U651	1203-002242	IC-RESET;1233,SOT-223,4P,-,PLASTIC,-,-,	
U652	0801-002536	IC-CMOS LOGIC;74LCX04,INVERTER,SOIC,14P,	
U653	0801-002536	IC-CMOS LOGIC;74LCX04,INVERTER,SOIC,14P,	
U70	1203-001455	IC-POSI.FIXED REG.;1117,DPAK,3P,265MIL,P	
U700	1002-001059	IC-D/A CONVERTER;CS4330-KS,18BIT,SOP,8P,	
U701	1201-000167	IC-OP AMP;358,SOP,8P,150MIL,DUAL,100V/mV	
U71	1203-001455	IC-POSI.FIXED REG.;1117,DPAK,3P,265MIL,P	
U72	1203-000273	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
U750	1205-002067	IC-TRANSMITTER;STA020D,SO,24P,295MIL,-,3	
U801	1001-000172	IC-ANALOG SWITCH;4053,SPDT CMOS,SOP,16P,	
VD100	0405-000117	DIODE-VARACTOR;1SV215,30V,10nA,USC,TP	
VD101	0405-000117	DIODE-VARACTOR;1SV215,30V,10nA,USC,TP	
X100	2801-003365	CRYSTAL-UNIT;27MHZ,20PPM,28-AAM,17PF,35O	
X1001	1404-000154	THERMISTOR-PTC;0.47ohm,-,-,60Vac,40A,1.8	
X601	2801-004088	CRYSTAL-UNIT;3.5714MHZ,30PPM,28-AAM,16PF	
X800	1404-000233	THERMISTOR-PTC;0.48ohm,-,-,60Vac,40A,1.3	
Y1	2801-004002	CRYSTAL-UNIT;10.111MHz,30ppm,28-AAA,20pF	
4	**MF44-00018A**	**SMPS;SRV22901EA,P151,AC/DC,-,AC85**	
BD1, BD2		ATS3550L	
C1, C2		PCX2 335M MKTB 275V-X2 100nF	
C10, C12, C16, C29		KMG 330uF 25V 105°… (8°ø11.5)	
C13		LXZ 220uF 35V 105°… (8°ø15)	
C14		KMG 220uF 35V 105°… (8°ø11.5)	
C15, C23		LXZ 330uF 25V 105°… (8°ø15)	
C17		LXV 220uF 50V 105°… (10°ø20,25)	
C18		KME/KMG 220uF 50V 105°… (10°ø12.5)	
C21		SHL 1uF 50V 85°… (5°ø11)	
C24		101pF 1KV	
C3		KMG/KMH 82uF 400V 105°… (18°ø30)	
C30		CC104	
C4, C5, C28		DA11YE 102NK617 2G	
C6		103pF 1KV	
C7, C19, C20		KME 33uF 50V 105°… (6.3°ø11)	
C8		223pF 100V	
C9, C11		LXV 1000uF 16V 105°… (10°ø20)	
CON1		YFW800-02	
CON2		AWG 1007 #22 100mm 13PIN	
D1, D2, D3, D4		1N4007	
D5, D6, D12		1N4937	
D7, D8		YG811S06 (SRF5-06, FSQ05A06)	
D9, D10, D11, D14		ERC30-02 (SF20-03, SF20-04, S2L20U)	
F1		50T T2AL250V	
IC1, IC3		KA431AZ (KIA431A)	
IC2		KA7812 (KIA7812P)	
L1		UU1620 50mH¿ÃªÛ 9700	
L2, L3		12uH (5°ø25mm)	
L4, L5, L6, L7		22uH (6.5°ø7.5mm)	
OPT1		KPC-317	
Q1		KA1L0380RB	
Q3		FQP20N06 / FQPF20N06 (FQP30N06)	
R1		47K 2W J MINI	
R11		3.0K 1/8W F	
R12		1.1K 1/8W F	
R14		10K 1/8W J	
R15		10K 1/2W J	

Loc.No	Part No	Description ; Specification	Remark
R16		2.2K 2W J MINI	
R2, RP2		100K 1W J MINI	
R4		10ßŸ 1/4W J	
R5		820ßŸ 1/8W J	
R6		1.07K 1/8W F	
R7		1.0K 1/8W F	
R8		1.0K 1/8W J	
TH1		NTC10D-09 / TP10D-09	
TI		T-122 (EE3327)	
TNR1		INR10D471 / JVR10N471K	
ZD1		MTZJ - 30B 1/2W (30V)	
5	**MF75-00039A**	**PCB ASSY-FRONT;SRF00901FA,-,-,-,-,-,-,-,**	
C10	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C11	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C12	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
D10	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D11	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D12	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D13	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
D14	0401-000133	DIODE-SWITCHING;RLS4148,100V,200MA,SOD-8	
Q10	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q11	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q12	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
Q13	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350MW,SOT-	
R10	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R11	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R12	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R13	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R14	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R15	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R16	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R17	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R18	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R19	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R20	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R21	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R22	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R23	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
SW10	3404-001064	SWITCH-TACT;12V,50mA,160gf,6x6x3.5mm,-	
SW11	3404-001064	SWITCH-TACT;12V,50mA,160gf,6x6x3.5mm,-	
SW12	3404-001064	SWITCH-TACT;12V,50mA,160gf,6x6x3.5mm,-	
SW13	3404-001064	SWITCH-TACT;12V,50mA,160gf,6x6x3.5mm,-	
SW14	3404-001064	SWITCH-TACT;12V,50mA,160gf,6x6x3.5mm,-	
T10	MF59-00183H	IR RECEIVER;TSOP1238UU1,-,-,-,-,38KHZ,-,	
U10	0801-000679	IC-CMOS LOGIC;74HC595,SHIFT REGISTER,SOP	
U11	0703-001113	LED DISPLAY;GRN,4DIGIT,7SEG,30X14X7.2MM	
U12	0801-000679	IC-CMOS LOGIC;74HC595,SHIFT REGISTER,SOP	

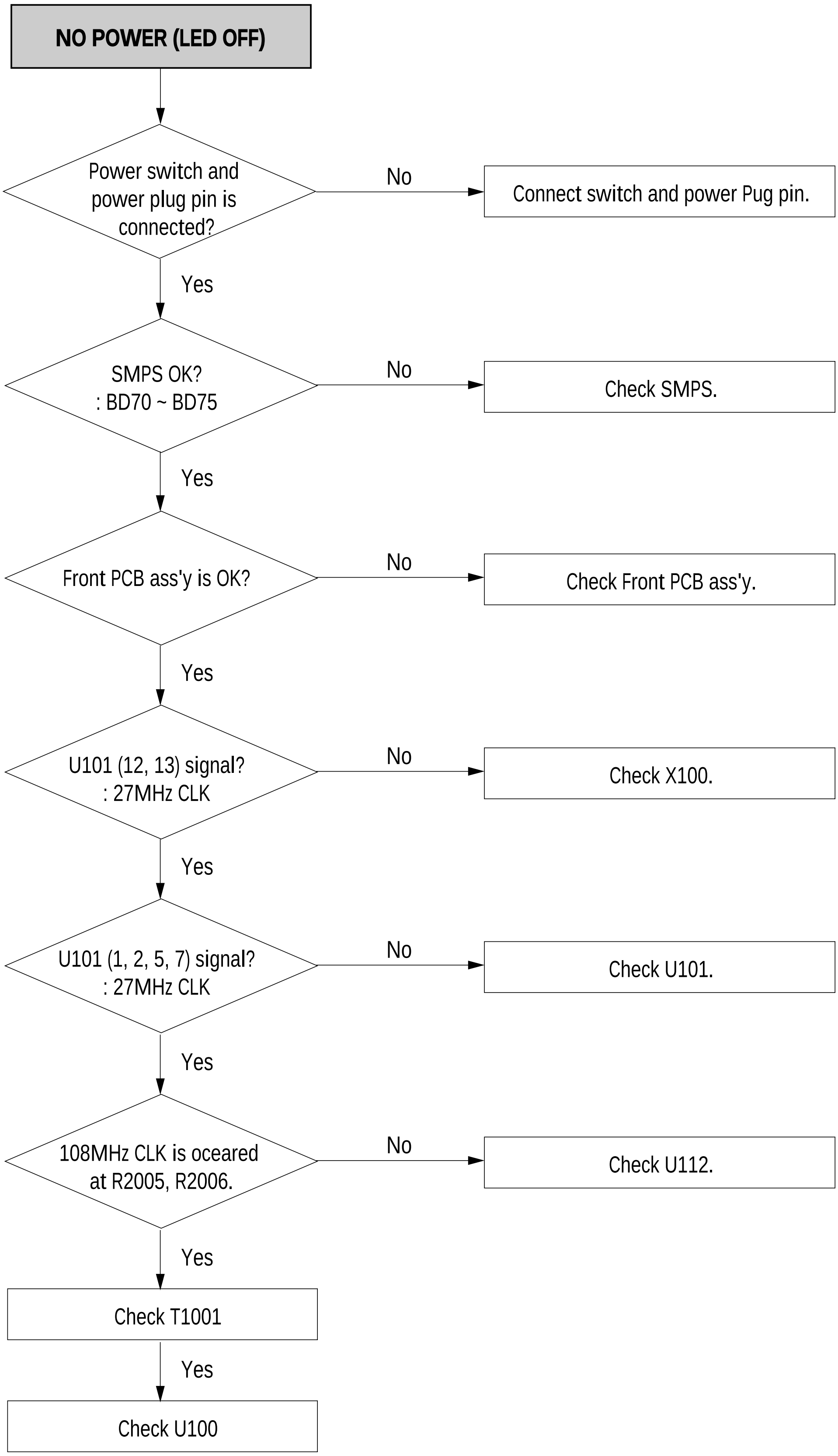
5. Exploded View and Parts List

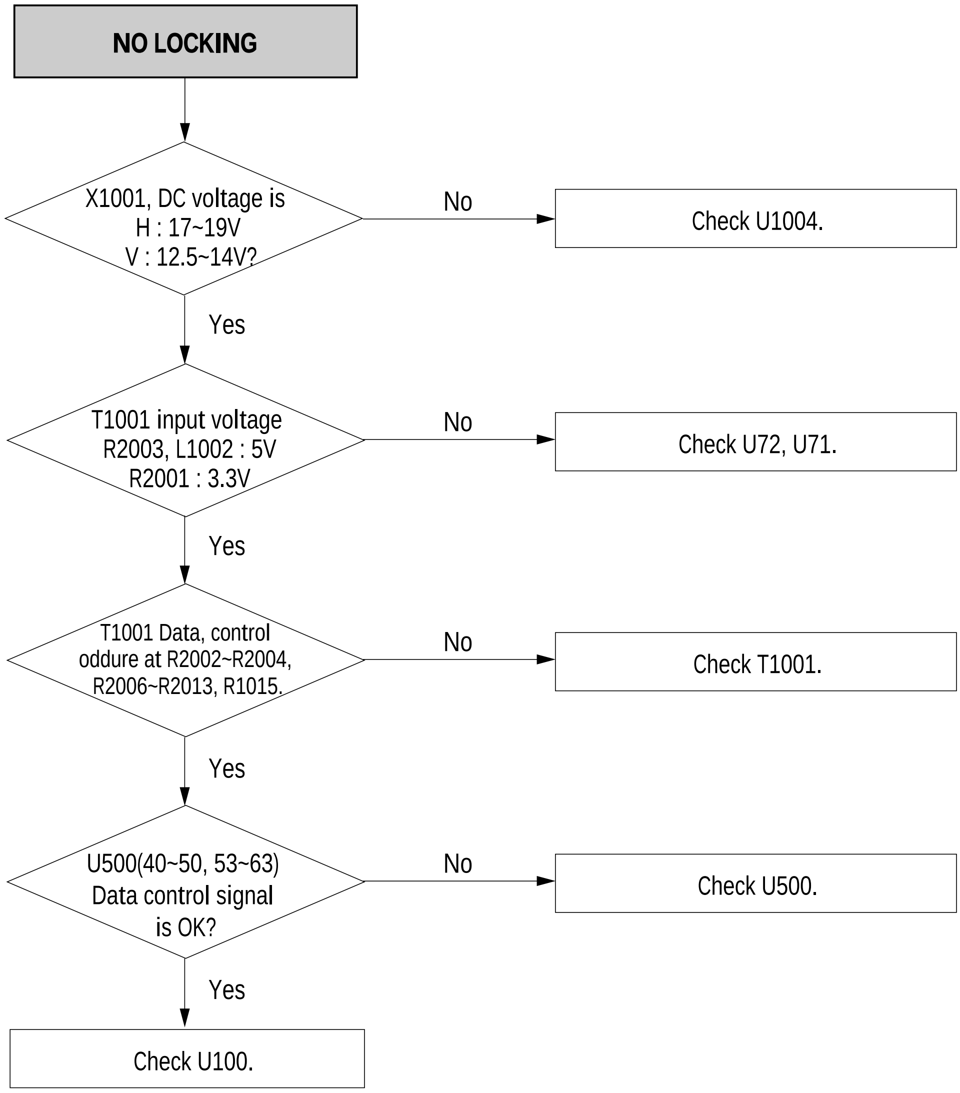


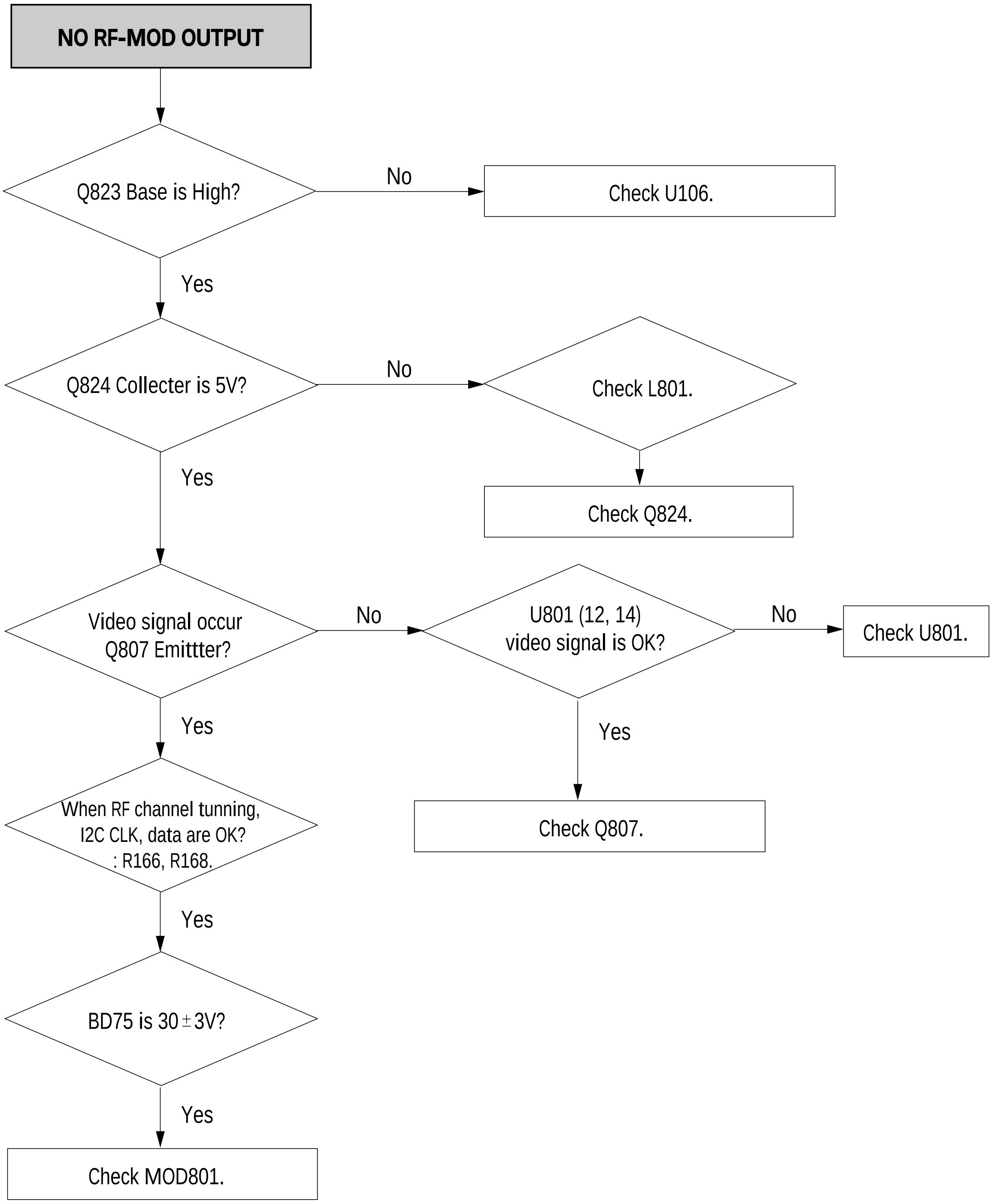
Loc. No	Parts No.	Description ; Specification	Remark
1	MF61-00019A	HOUSING ASSY;SRF00901FA,ABS 94V-0,-,24.6	FTA
	MF61-00019B	HOUSING ASSY;SRF02901FA,ABS 94V-0,-,24.6	CI
	MF61-00019C	HOUSING ASSY;SRF20901FA,ABS 94V-0,-,24.6	EM VIA
	MF61-00019D	HOUSING ASSY;SRF22901FA,ABS 94V-0,-,24.6	VIA CI
2	MF63-00005A	COVER TOP;SRF00901FA,-,DSR9500,PCM T0.62	
3	MF95-10004D	MAIN PCB ASSY;SRF00901FA,DSR9500(FTA)	FTA
	MF95-10004E	MAIN PCB ASSY;SRF02901FA,DSR9500(2CI)	CI
	MF95-10004F	MAIN PCB ASSY;SRV20901FA,DSR9500(VIA)	EM VIA
	MF95-10004G	MAIN PCB ASSY;SRV22901FA,DSR9500(VIA/CI)	VIA CI
4	MF44-00018A	SMPS;SRV22901EA,P-151,AC/DC,-,AC85-	
5	MF75-00039A	PCB ASSY-FRONT;SRF00901FA,-,-,-,-,-,-,-,	
6	MF39-00258A	ASSY POWER CORD;-,KJP-140/BLK,H03VVH2-F/	
7	MF34-00001A	SWITCH AUTO POWER;125/250VAC,10/5A,JRA11	
8	6002-000441	SCREW-TAPPING;BH,+,1,M3,L6,ZPC(BLK),SWRC	
9	6003-000282	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(BLK),SWCH	
UT01	MF59-00215A	REMOCON;DSR9000VC2,-,-,TM59-RM700,-,-,	

MEMO

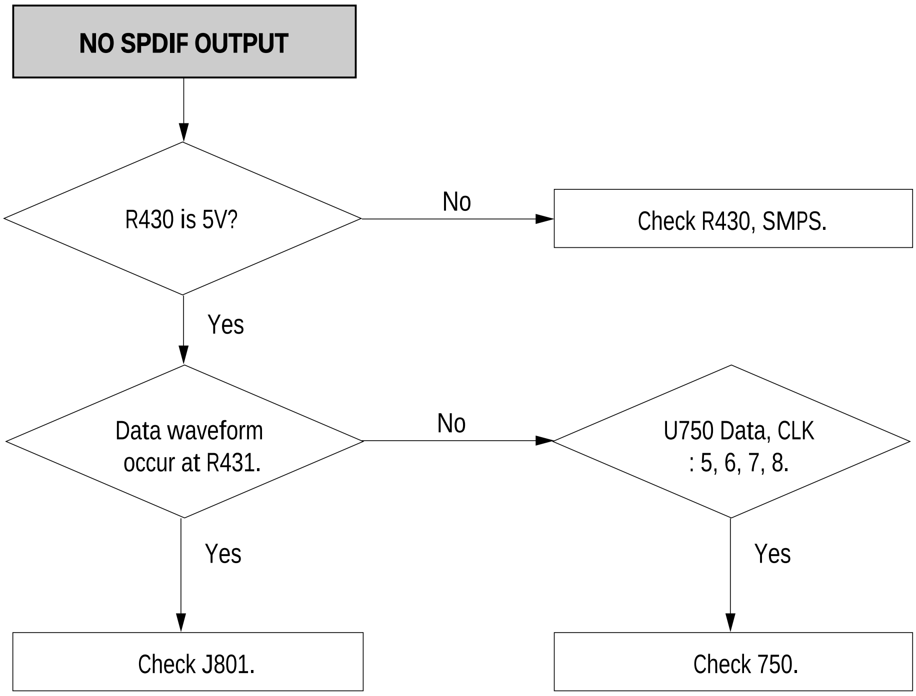
4. Troubleshooting

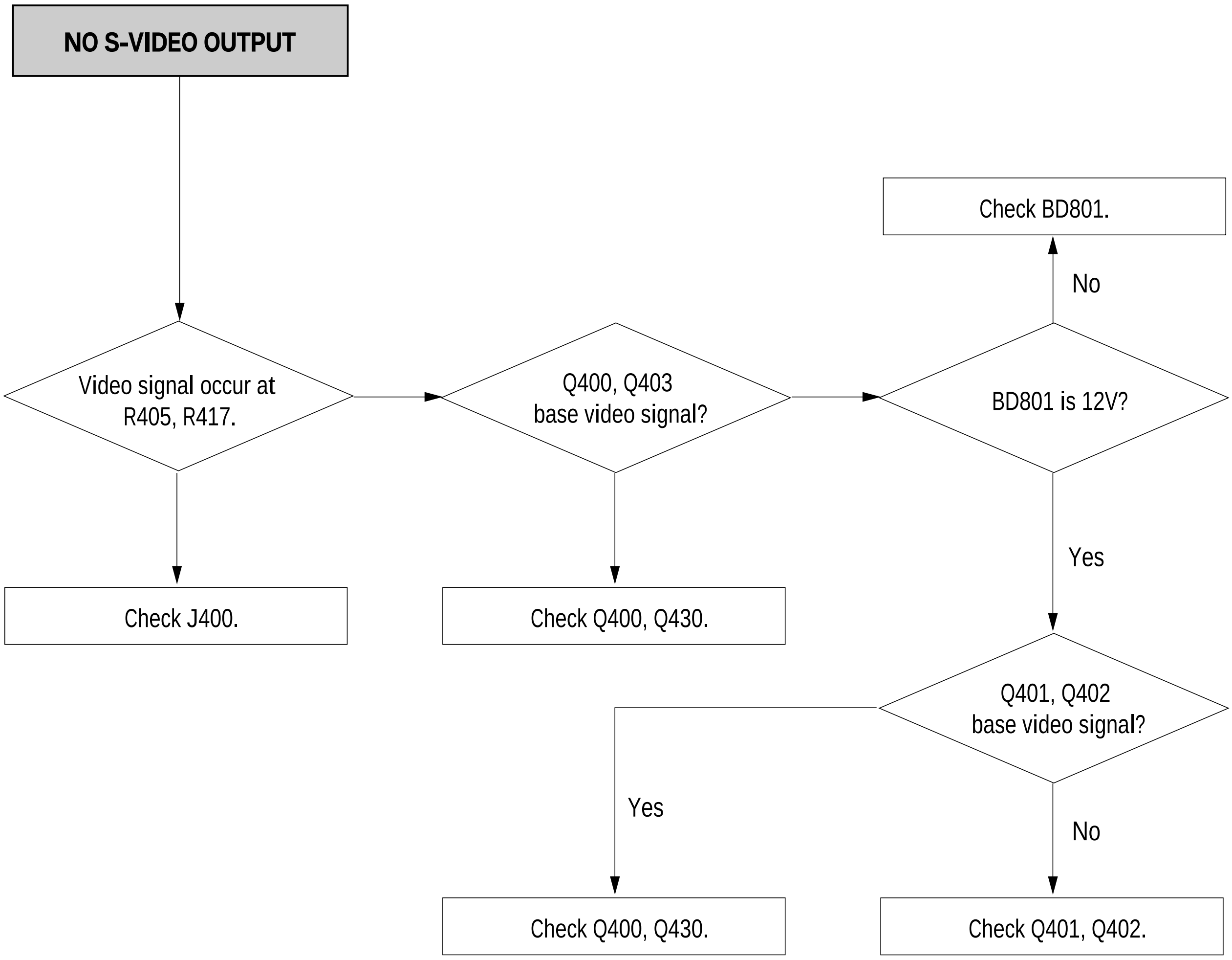


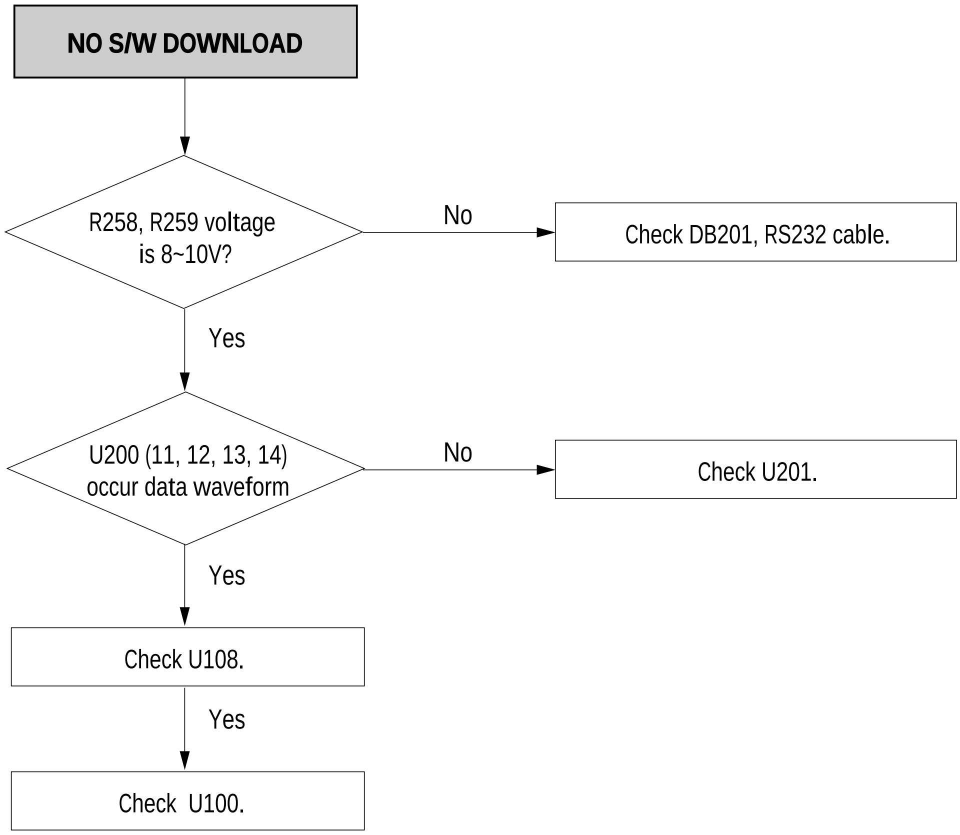

NO LOCKING
X1001, DC voltage is
H : 17~19V
V : 12.5~14V?
No
Check U1004.
Yes
T1001 input voltage
R2003, L1002 : 5V
R2001 : 3.3V
No
Check U72, U71.
Yes
T1001 Data, control
oddure at R2002~R2004,
R2006~R2013, R1015.
No
Check T1001.
Yes
U500(40~50, 53~63)
Data control signal
is OK?
No
Check U500.
Yes
Check U100.

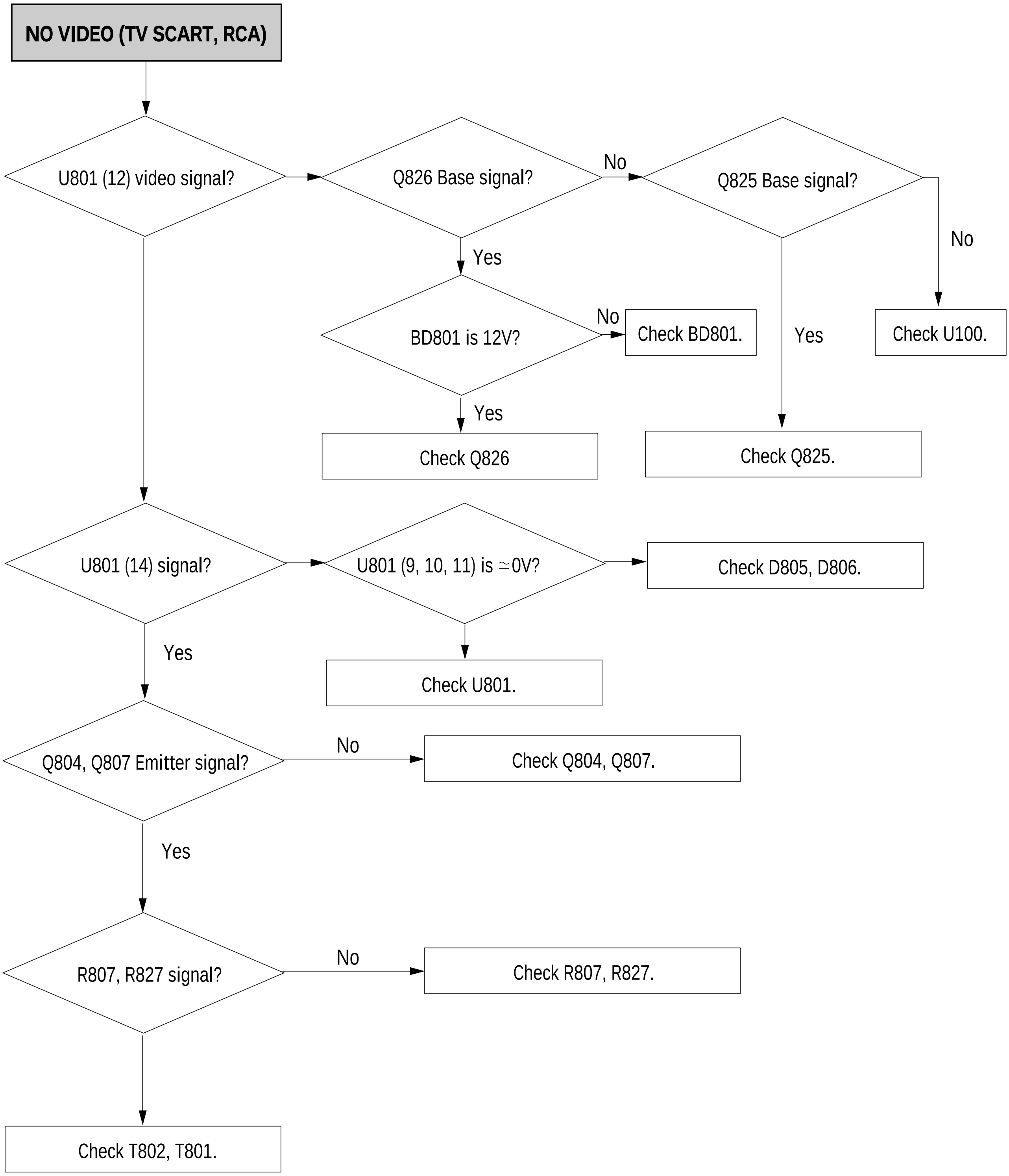


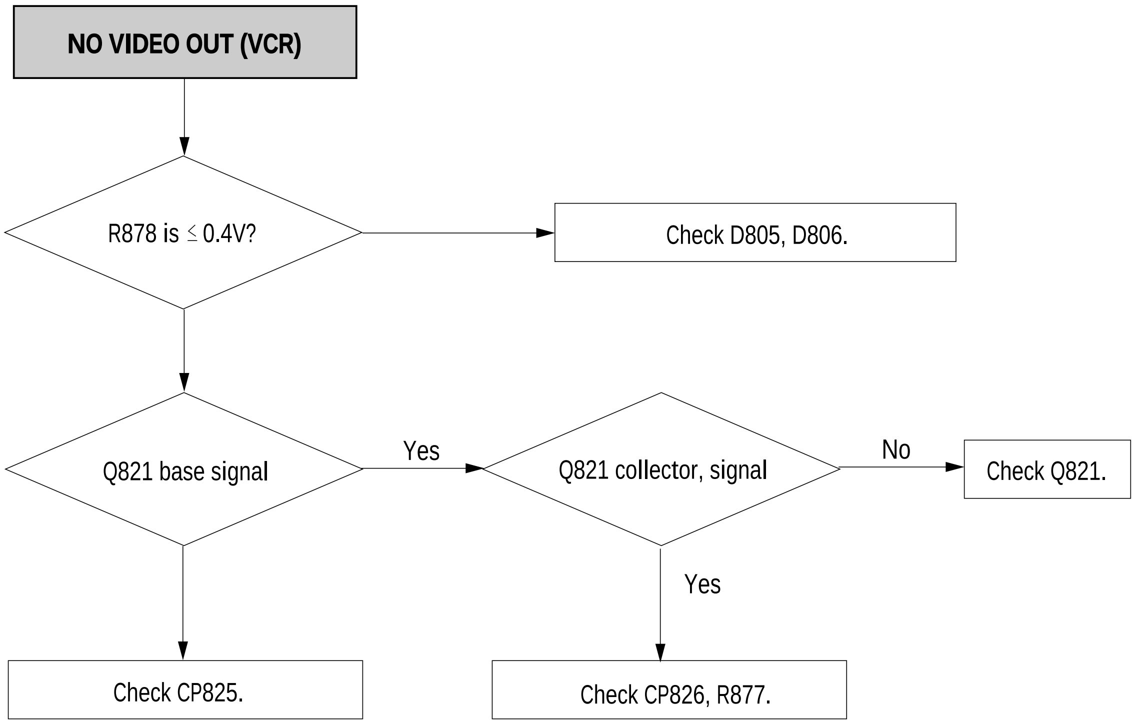
NO RF-MOD OUTPUT
Q823 Base is High?
No
Check U106.
Yes
Q824 Collecter is 5V?
No
Check L801.
Check Q824.
Yes
Video signal occur Q807 Emittter?
No
U801 (12, 14) video signal is OK?
No
Check U801.
Yes
Check Q807.
Yes
When RF channel tunning, I2C CLK, data are OK? : R166, R168.
Yes
BD75 is 30±3V?
Yes
Check MOD801.

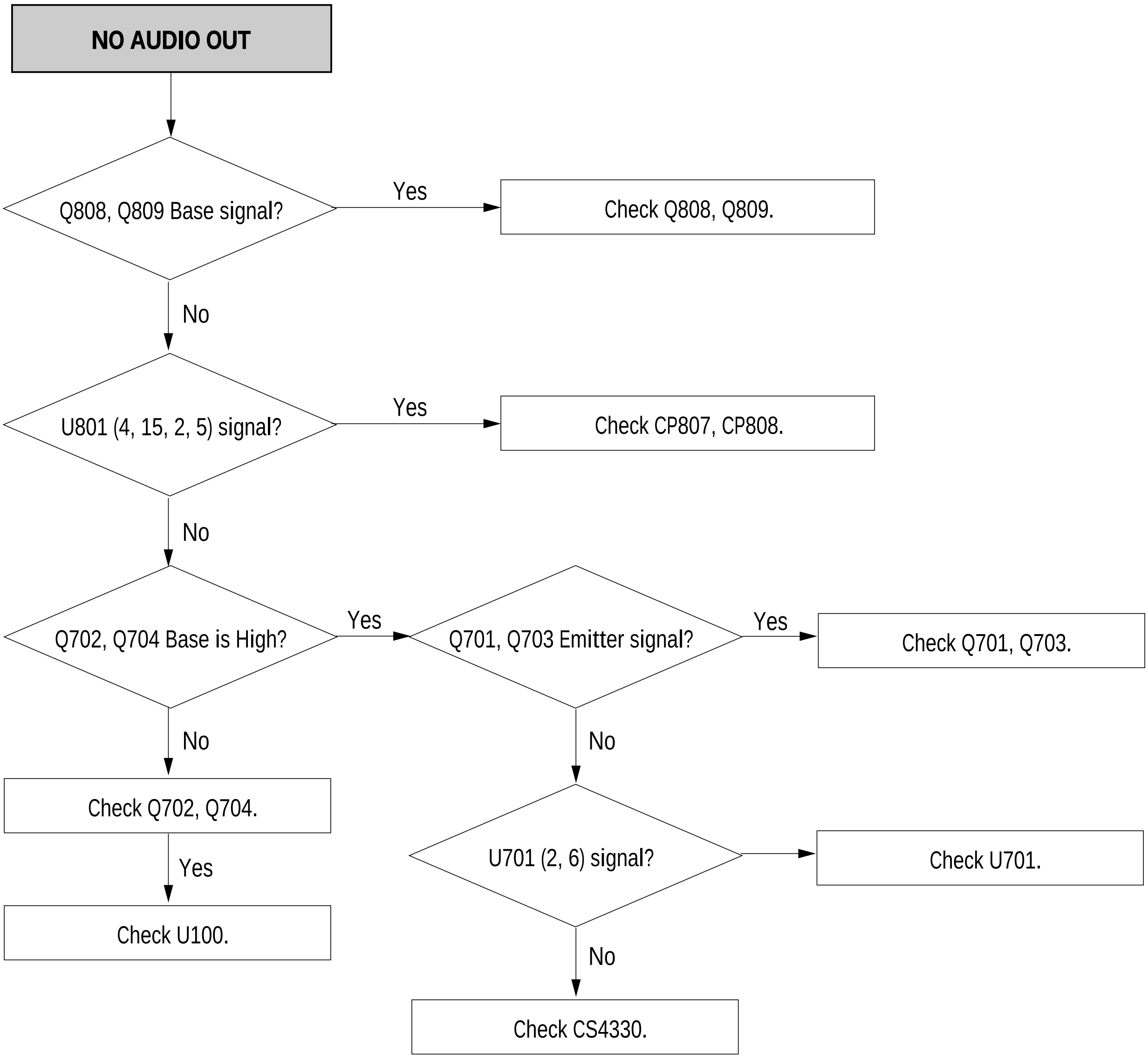

NO SPDIF OUTPUT
R430 is 5V?
No
Check R430, SMPS.
Yes
Data waveform
occur at R431.
No
U750 Data, CLK
: 5, 6, 7, 8.
Yes
Yes
Check J801.
Check 750.


NO S-VIDEO OUTPUT
Video signal occur at R405, R417.
Q400, Q403 base video signal?
BD801 is 12V?
Check BD801.
No
Yes
Check J400.
Check Q400, Q430.
Q401, Q402 base video signal?
Yes
No
Check Q400, Q430.
Check Q401, Q402.


NO S/W DOWNLOAD
R258, R259 voltage
is 8~10V?
No
Check DB201, RS232 cable.
Yes
U200 (11, 12, 13, 14)
occur data waveform
No
Check U201.
Yes
Check U108.
Yes
Check U100.


NO VIDEO (TV SCART, RCA)
U801 (12) video signal?
Q826 Base signal?
No
Q825 Base signal?
No
Yes
BD801 is 12V?
No
Check BD801.
Yes
Check U100.
Yes
Check Q826
Check Q825.
U801 (14) signal?
U801 (9, 10, 11) is ≃0V?
Check D805, D806.
Yes
Check U801.
Q804, Q807 Emitter signal?
No
Check Q804, Q807.
Yes
R807, R827 signal?
No
Check R807, R827.
Check T802, T801.


NO VIDEO OUT (VCR)
R878 is ≤ 0.4V?
Check D805, D806.
Q821 base signal
Yes
Q821 collector, signal
No
Check Q821.
Yes
Check CP825.
Check CP826, R877.


NO AUDIO OUT
Q808, Q809 Base signal?
Yes
Check Q808, Q809.
No
U801 (4, 15, 2, 5) signal?
Yes
Check CP807, CP808.
No
Q702, Q704 Base is High?
Yes
Q701, Q703 Emitter signal?
Yes
Check Q701, Q703.
No
Check Q702, Q704.
Yes
Check U100.
No
U701 (2, 6) signal?
Check U701.
No
Check CS4330.

MEMO

CONNECTING YOUR "DSR9500"

1. LOCATION OF THE RECEIVER

Your DSR9500 should be placed under proper ventilation.
Don’t put in completely enclosed cabinet that will restrict the flow of air, resulting in overheating.
The location should be safeguarded from direct sunlight, excess moisture, rough handling or household pets.
Avoid stacking other electronic components on the top of the receiver.
The location should be safely accessible by the cable from your antenna system.

2. CONNECTING THE RECEIVER WITH DISH SYSTEM

After installing your antenna system, connect the coaxial cable from the LNB of your antenna to "LNB" terminal marked at the rear of the DSR9500.
All cable connectors should be finger tightened; do not use any kind of wrench while tightenning connectors. The cable should be 75ohm impedance coaxial twisted at the end with an "F" type connector.

3. CONNECTING THE RECEIVER TO TV

To connect the receiver with your television, you can use three methods; via Scart Cable, RF cable, or RCA cable.
Connect the RF cable to the terminal marked "TV" at the rear panel of DSR9500 and its other end to the TV RF input socket.
In the case of connecting your TV through SCART cable, connect the SCART connector marked TV to the respective SCART port on the TV.

4. CONNECTING YOUR ANALOG RECEIVER

To facilitate the user using analog receiver to view analog channels, DSR9500 has been provided with a loop through terminal marked as "LOOP".
Connect the coaxial cable from this terminal to the IF input terminal of your analog receiver. Now by keeping the DSR9500 in standby, you will be able to tune and view analog channels from your analog receiver.

5. CONNECTING YOUR VCR

To connect a VCR, the DSR9500 has been provided with SCART at the rear marked "VCR".
Using a SCART connector, the VCR can be connected to the receiver.

6. CONNECTING EXTERNAL AUDIO / HI-FI SYSTEM

To connect any external Audio Hi-Fi system, the receiver has been provided with two RCA connectors at the back of the receiver, marked with AUDIO L and R respectively to connect the left and right Audio.

7. INSERTING SMARTCARDS FOR VIACCESS SERVICES

In order to view a scrambled service, you need to have the appropriate conditional Access Module and a valid Smartcard. This DSR9500 has the Viaccess CAS embedded to view Viaccess programmes.

Note : Insert the Smartcard with the gold coloured chip facing downwards.

8. INSERTING COMMON INTERFACE CAM AND SMARTCARD

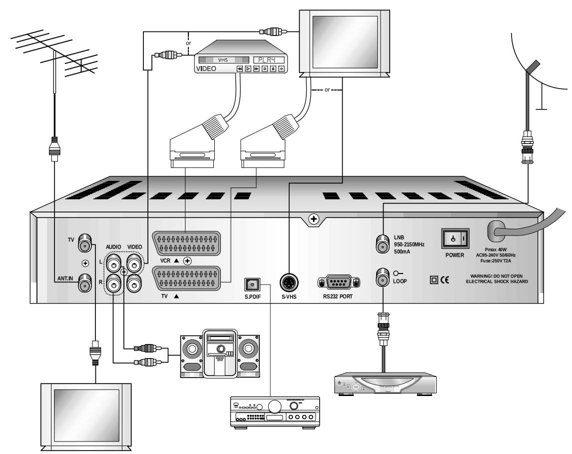
(For models DSR 9500 CI, DSR 9500 VIA CI)

The DSR 9500 supports Common Interface CAMs under DVB specification. The CI CAMs include a built-in smart card reader.

- Insert the smart card into the CAM gently with the gold colored chip upwards
- Slide in the CAM gently inside the slot so that it sits in the socket tightly.
- Close the door.
- To remove the CAM push the button provided by the side of the CAM slot. The CAM will be ejected from the socket.

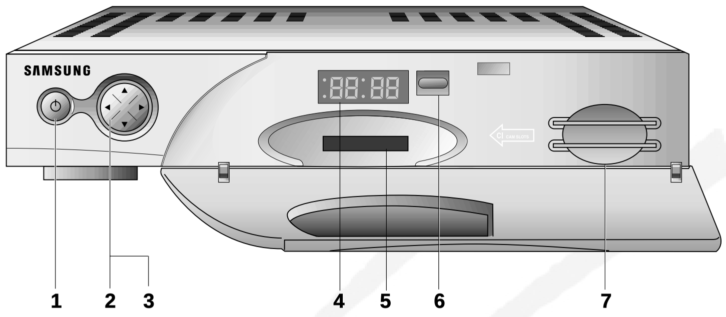
Note : The following Common Interface CAMs are available now: IRDETO, CONAX, CRYPTOWORKS, VIACCESS, NAGRAVISION, SECA, Etc.

Connecting Figure



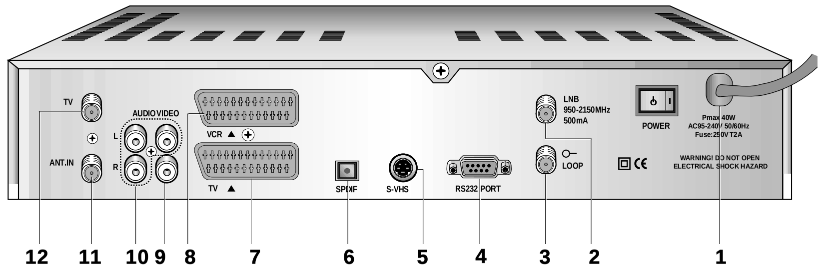
DESCRIPTION

Front Panel



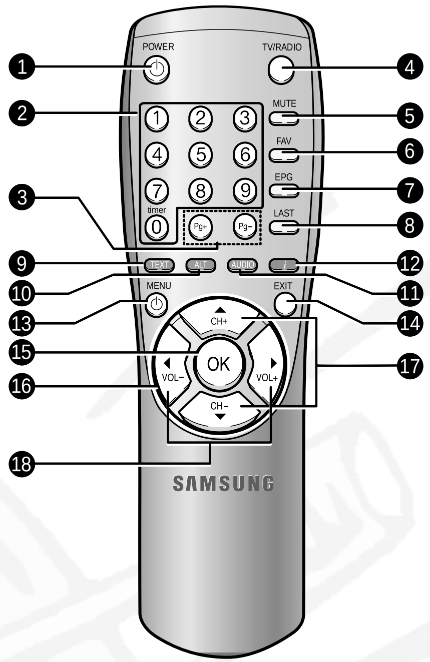
1.	⏻	This key is used to turn the receiver on and off (Standby).
2.	▲ , ▼	These keys are used to change the channels.
3.	◀ , ▶	These keys are used to increase and decrease the volume level manually.
4. 7 Segment Display		This LED display will show the current channel number. While the receiver is in Standby mode, the display will show the current time.
5. CAM Slot		Slot for Common Interface. (For models DSR 9500 CI, DSR 9500 VIA CI)
6. Infrared Sensor		This is to receive the IR commands from the Remote Control Unit.
7. Card Slot		Slot for Viaccess smartcard. (For models DSR 9500 VIA, DSR 9500 VIA CI)

Rear Panel



1. AC MAINS	This is to plug in the AC mains power cord. The input AC voltage range is 95V to 240V, 50Hz/60Hz supply.
2. LNB	This port is to connect the coaxial cable from LNB of your dish. The IF input is provided through this port and the input frequency range is 950-2150 MHz. Also the voltage switching 13V and 18V is passed through this port.
3. LOOP	To enable the connection of an Analog receiver, The receiver is provided with this 'LOOP' port.
4. RS 232 DATA PORT	This is used to connect your receiver to a computer for reading and loading data information.
5. S-VHS	This is used to connect STB to your TV by using S-VHS cable.
6. SPDIF	Output for connection to a digital amplifier.
7. TV SCART	This is used to connect to your TV.
8. VCR SCART	This is used to connect to your VCR.
9. 0/12V	This is used to connect to an external LNB switch.
10. VIDEO, AUDIO R/L	These RCA connectors are used to connect any external video and audio.
11. ANT.IN	This is used to connect your local RF channels to your TV through Loop.
12. TV	This is used to connect to your TV via RF cable.

Remote Control Unit



Note : When inserting batteries, make sure that the polarity(+/-) is correct.

1. POWER(⏻) This is used to switch the receiver ON/STANDBY mode.

2. 0-9 Numerical keys (0 ~ 9)

These keys are to enter numeric values and to select the channel directly by entering its number.

3. Pg+/Pg-(Pg+ , Pg-) These keys are used to move up or down pages the menu.

4. TV/RADIO This key is used to toggle between the TV channel and Radio channel.

5. MUTE This key is used to toggle between normal & muted audio.

6. FAV Use the key to switch between favorite lists.

7. EPG Electronic Program Guide button displays the TV/Radio Program guide.

8. LAST This key is used to call up directly whatever channel you were watching list.

9. TEXT(GREEN) (TEXT) This key is used to select the subtitle mode.
This button functions same as the GREEN button on the menu.
Press once and subtitle appears. You can select the language you want using the channel +/- keys.
Press twice and Teletext with OSD appears.
Press three times and Teletext with VBI appears.

10. ALT(YELLOW) (ALT) This key is used to select the soundtrack list for the current service.
This button functions same as the YELLOW button on the menu.
Press once and sound track appears.
Press twice and video track appears.
The sound and video track services are not provided for every channel and depend on the conditions the operator is in.

11. AUDIO(BLUE) (AUDIO) This key is used to change the Audio to the left, right or both channels,
This button functions same as the BLUE button on the menu.

12. INFORMATION (RED) (i) This key is used to display the programe information box in the screen.
This button functions same as the RED button on the menu. Press once and you can get simple information on the program. Press twice and you can get detailed information on the channel in text box.

13. MENU This key is used to open up the menu or return to the previous menu.

14. EXIT This key is used to exit a menu or return to the previous menu.

15. OK(OK) This key is used to enter and confirm any data to the receiver in the menu system. This key is used to select the item. Press while viewing TV and a list of channels is displayed.

16. ◀ ▶, ▲ ▼ (,) These keys are used to move the highlight bar for selecting options on the menu, and this button is used to change channels and increase or decrease the volume.

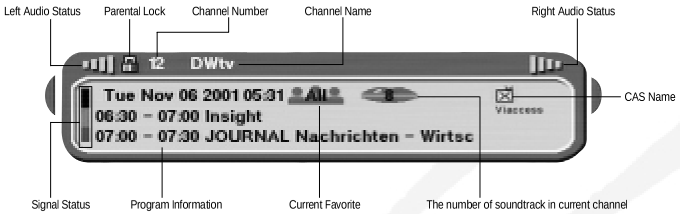
17. CH+/CH-( ) These keys are used to change channels.

18. VOL+/VOL-( ) These keys are used to increase or decrease the volume.
These keys are used to move up or down pages on the channel list.

BASIC FUNCTIONS

1. Display Screen

Before you can view the television program, you must perform the installation.
Therefore you will see only menu images at first.
After the television channels have been programmed, you will see the following picture(banner) each time you switch channels:



- Press the **Red (i)** key in view mode.
- Select the channel by pressing **Numerical (0 ~ 9)** keys or ▲/▼ keys and select **TV/RADIO** key to move to TV or Radio channel.

You will also see this picture each time you change channels.
When you press **TV/RADIO** key on the Remote Control Unit, **TV** and **Radio** program are toggled.

Detailed program information

- Press the **Red** (i) key twice while you are viewing a program.

First you will see the banner described above.
After pressing the **Red** (i) key a second time you will receive detailed program information.

Note : This service depends on service provider.

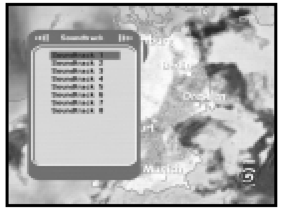
2. Volume Control



To control the volume level :

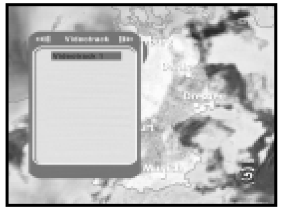
- Press ◄/► keys to adjust the volume level.
- Press **MUTE** key to turn to silence mode.
- Press **MUTE** key again in order to cancel the mute function.

3. Select Soundtrack



- Press **Yellow** (ALT) key to see the soundtrack list.
- Press ▲/▼ and OK key to select one.

4. Select Videotrack



- Press **Yellow** (ALT) key twice to see the videotrack list.
- Press ▲/▼ and OK key to select one.

5. Service List



- Press OK key to while you are viewing a program.
- Select list by pressing **TV/RADIO** or **FAV** key.

The icon 🔑 behind the channel name symbolises scrambled channel, and the 🔒 icon behind the channel name symbolises lock channel.

- Select the channel by pressing ▲/▼, Pg+ / Pg-.
- Press OK key to watch that channel.

The colour key corresponds the following service list.

- **Green** (TEXT) key - **Favorites**
- **Yellow** (ALT) key - **Alphabetical**
- **Blue** (AUDIO) key - **Provider**
- **Red** (i) key - **Transponder**

BASIC FUNCTIONS

5.1 Service Favorites



- Press the **Green (TEXT)** key on the control unit to select the Favorites list.
- Use the CH▲/CH▼, Pg+/Pg- keys to select a favorite group that you want.
- Press the **Green (TEXT)** key to toggle group and channel list.

5.2 Service Alphabetical



- Press the **Yellow (ALT)** key on the remote control unit to select the Alphabetical list.
- Use the CH▲/CH▼, Pg+/Pg- keys to select a Alphabetical group that you want.
- Press the **Yellow (ALT)** key to toggle group and channel list.

5.3 Service Provider



- Press the **Blue (AUDIO)** key on the remote control unit to select the Provider list.
- Use the CH▲/CH▼, Pg+/Pg- keys to select a Provider group that you want.
- Press the **Blue (AUDIO)** key to toggle group and channel list.

5.4 Service Transponder



- Press the **Red (i)** key on the remote control unit to select the Transponder list.
- Use the CH▲/CH▼, Pg+/Pg- keys to select a Transponder group that you want.
- Press the **Red (i)** key to toggle group and channel list.

6. Program Information



EPG-Electronic Program Guide
The electronic program guide gives you a channel list for the channels.

Note : 1. This service depends on service provider.
2. After receiver recognized the GMT-time from the signal which takes few seconds, it can display correct EPG information.

- Press **EPG** key while you are viewing a program.

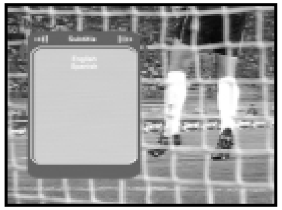
This function is displayed on the screen by using only time.
You will see "**EPG**" in the LED display of the receiver.

- **Green** (TEXT) key - Use to display the program list until this day last week by going back per one day.
- **Yellow** (ALT) key - Use to display the program list until this day next week by going forward per one day.
- ◄/► keys - Use to display the program list by 30minutes per block.

With the **TV/RADIO** or **FAV** key you can browse among the various programs lists.

- Select the channel by pressing CH▲/CH▼, Pg+/Pg- keys and press OK key to watch this channel.

7. Subtitle

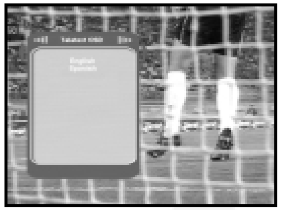


When the current broadcasting program provides subtitle, press the **Green (TEXT)** key to see the current subtitle language list.

To change the subtitle language:

- Press the **Green (TEXT)** key to see the subtitle language List.
- Use the CH▲ / CH▼ keys to select a subtitle language you want.
- Press the OK key and then the subtitle language you want is displayed
  The menu display is carefully created and user friendly to assure the easy operation of the receiver by the user. The main menu is classified into Six sub menus which will carry out the various operations individually.

8. Teletext OSD

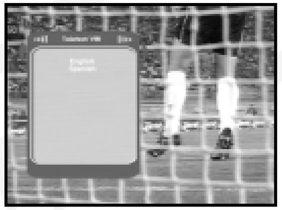


When the current broadcasting program provides Teletext OSD, press the **Green (TEXT)** key twice to see the current Teletext OSD list.

To change the Teletext OSD:

- Use the ▲/▼ keys to select a **Teletext OSD** you want.
- Press the OK key and then the **Teletext OSD** you want is displayed on the screen.

9. Teletext VBI



When the current broadcasting program provides **Teletext VBI**, press the **Green (TEXT)** key three times to see the current Teletext VBI list.

To change the Teletext VBI:

- Use the ▲ / ▼ keys to select a **Teletext VBI** you want.
- Press the OK key and then the **Teletext VBI** you want is displayed on the screen.

OPERATING THE RECEIVER

Main Menu

After installing your antenna system and DSR9500 with appropriate connectors.

- Plug in the AC main power and switch on the receiver.
- Press **MENU** key to bring up the main menu.
  The **LED** display will show "**MENU**".

The following on screen display will appear:



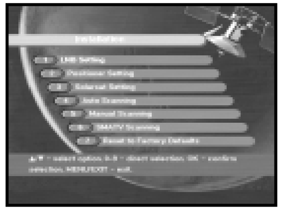
The sub menu topics will be displayed from 1 to 6.
For the sub-menus 1, 2 and 3 you need the PIN code.

- You must follow the help message at the bottom of the screen!

Before you begin with the "Installation" menu, you should check in the 4th menu "System Setup" whether all the information there is applicable for you.

1. Installation

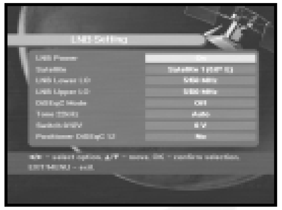
The menu provides settings for customizing, adding new services and displaying the status of the receiver.



- Select "**Installation**" in the main menu mode to select the sub menu.
- Enter the **PIN** code.

If you have not entered your own **PIN** code then the **PIN** code **0000** applies, which was set at the factory.

1.1 LNB Setting



You can select the satellite and LNB setting conditions to execute channel search and you can alter the settings for 22KHz tone. The parameters set in this menu are needed for programming the channels for the "**Auto scanning**" and "**Manual scanning**".
The necessary information can be found at your antenna and LNB brochures, or you can ask your dealer.

- Select LNB power supply "**On**".
- Select the desired satellite name.
- Select the LNB type (frequency).
- Select the DiSEqC Mode
  (Off, DiSEqC A, DiSEqC B, DiSEqC C, DiSEqC D, Tone Burst A, Tone Burst B)

If you are using a Positioner, select this option. ("**Yes**" or "**No**")

22KHz: In case you are using a dual LNB or two antennas connected to a 22KHz tone switch box, with the 22 KHz tone switch ("**On**", "**Off**" or "**Auto**") you can switch between both LNB or antennas.

1.2 Positioner Setting

If you have a DiSEqC 1.2 motorized system, then you can take advantage of the DiSEqC 1.2 functions available.



- Select Satellite.
- Select any transponder from above satellites and check out the Frequency, Symbol Rate, FEC and Polarity.

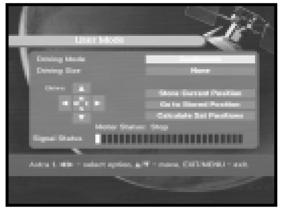
In case problems arise, ask your dealer.

- Select from Menu Mode:

"**User**" mode : Enables control of basic positioner function recommended for beginners. General user uses "**User**" mode.

"**Installer"** mode : Complete control of the positioner's full functions recommended for installers and professional users.

1.2.1 User Mode



- **Select Driving Mode:**
  You have an option to choose the positioner's movement type: Continuous, Step or Time.
- Position the antenna with north, south, east and west and use the ◁/▷, △/▽ key to drive motor. ◁ key drives to west, ▷ key drives to east, △ key drives to north and ▽ key drives to south.
- If you finished driving of motor, select "**Store current Position.**" and press OK key, to reset new driving motor.

Note **:** The level indicated in the "Signal Status" is only for reference. The signal quality may be adequate even though the level indicated is not maximum.

- Go to Stored Position.

When the stored position is reached then screen displays "**Stop**", you can now continue with the further operations.

- Select the Calculate Sat Positions to recalculate the satellite position and OK key.

1.2.2 Installer Mode



After checking the positioner's state, installer should use this menu. He should set the "**Disable Limits**" before using User mode.

- Select the Drive Motor West/East and use the ◁ / ▷ keys to drive motor. ◁ key drives to west and ▷ key drives to east.
- Select "**Enable Limit**", in order to enable "**Set Limit**".
- Select "**Disable Limit**", in order to disable "**Set Limit**".
- Select "**Reset Positioner**" and OK key to reset positioner.

1.3 Solarsat Setting

This menu is only for the Solarsat antenna.
When you press this menu, you will get this message, "**This menu is only for the Solarsat antenna. If you have one-press OK, otherwise-press EXIT**."

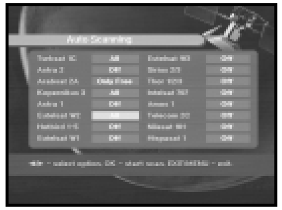


You can set the value according to your location.

- To set the Value of Date and Time, use the Pg+ / Pg- keys to change the value.
- Use the ◁ / ▷ keys to change position.
- Use the △ / ▽ keys to move each filed.

1.4 Auto Scanning

The sub menu "Auto Scanning" will enable download of off-air channels automatically from the preprogrammed satellites.



To download channels automatically:
You can select All/Off/Only Free option mode in each satellite.

Off : No Scan
All : Scan all the channels
Only Free : Scan free channels

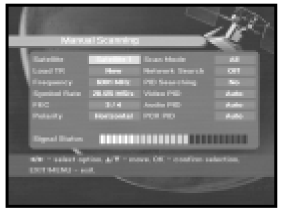
- Press OK key.

Auto Scanning menu will be displayed.

All the channels in the list from the selected satellite will be automatically downloaded.
After scanning you will see "**Your digital receiver found...**" .
Afterwards you return to Auto Scanning menu.

1.5 Manual Scanning

To tune-in new channels and weak signals, the DSR9500 has been provided with the option "**Manual Scanning**" where the channel data can be entered by the user. After selecting the "**5. Manual Scanning**" from the Installation Menu, the following screen will be displayed:



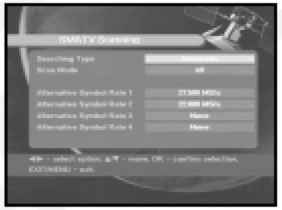
- Select the target satellite for manual search.
- Load a transponder.
  This option will enable the user to load any transponder from the preprogrammed list available within the receiver.

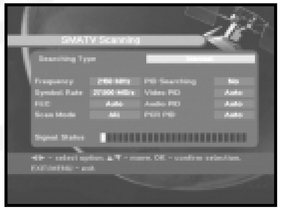
Note : When you enter Frequency after setting Load TR to New, the entered information must include at least one channel to make channel save possible.

- Input the frequency of the transponder you want to find.
- Input the symbol rate of the transponder you want to find.

- Select the FEC(Forward Error Correction)of the transponder you want to find.
  You can select the value of 1/2, 2/3, 3/4, 5/6, 7/8 or Auto.
- Select the polarization of the transponder you want to find.
  (Horizontal/Vertical/Circular Left/Circular Right)
  In the case of horizontal, 18V and in the case of vertical, 13V are output through LNB line.
- Select Scan Mode “**All**” or “**Only Free**”.
- Select Network Search “**Yes**”.
  You can find more transponders using the home network.
- Select PID searching “**Yes**”. You can manually search by entering individual PID(Packet Identifier)(Video/Audio/PCR) values.
- After select option, press (OK) key to start the scan process.

1.6 SMATV Scanning





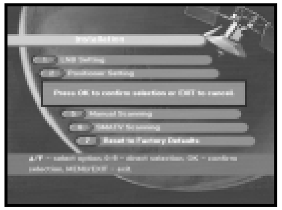
In case that several generations use Antenna and LNB in common, search the service the from 950 to 2150MHz.

- Select Searching Type “**Automatic**” or “**Manual**”.
- Select Scan Mode “**All**” or “**Only Free**”.
- You can input alternative symbol rate from 1 to 4

Note : 1. When your searching type is set to Automatic during **SMATV** scanning, you have only to enter the alternative symbol rate(1~4) you want.

2. When your searching type is set to Manual during **SMATV** scanning, you must enter both frequency and symbol rate.

1.7 Reset to Factory Defaults



This to restore the factory set values in case the user has encountered some problems after changing any values of channel data and others which may be in error.

The screen display will be as follows:

At the request window,
if you press (OK) key, the receiver will be reset to factory default settings automatically.

Note : This cause your previous settings to be deleted!

2. Channel Organising

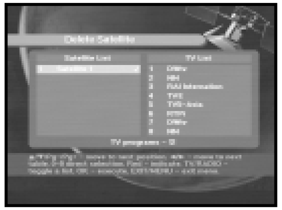


The "**Channel Organising**" menu has seven functions:
The "**Channel Organising**" menu is used to delete the Satellites, Transponders and Channels or to make Favorite channels or move channel as you want.

- Enter the **PIN** code.

If you have not entered your own **PIN** code **PIN** code **0000** applies, which was set at the factory.

2.1 Delete Satellite



- Select the desired satellite list you want to delete by pressing **Red (i)** key.
- Press (OK) key for confirmation.

Note : This feature doesn’t delete satellite itself but deletes the list of channels registered for satellite.

2.2 Delete Transponder



- Select the desired transponder list you want to delete by pressing **Red (i)** key.
- Press (OK) key for confirmation.

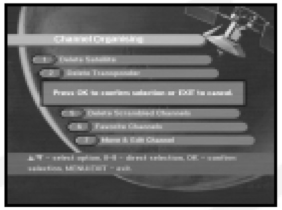
Note : This feature doesn’t delete transponder itself but deletes the list of channels registered for transponder.

2.3 Delete Channel



- Select the desired channel you want to delete by pressing **Red (i)** key.
- Press OK key for confirmation.

2.4 Delete All Channel



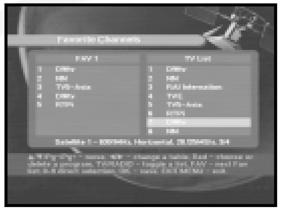
At the request window, press OK key to delete all channels and press **MENU** / **EXIT** to exit.

2.5 Delete Scrambled Channels



At the request window, press OK key to delete scrambled channels and press **MENU** / **EXIT** to exit.

2.6 Favorite Channel



You can change TV list or Radio list by **TV/RADIO** key and change favorite list by **FAV** key. This enables you to create the 9 favorite TV and Radio list.

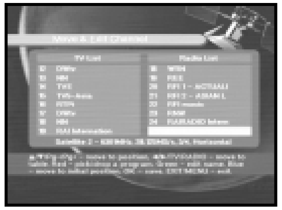
- Select the desired channel list with ◁ / ▷ keys.
- When you press the **TV/RADIO** key, TV list and Radio list are toggled.

Right List : Adds a channel to the left list by pressing the **Red (i)** key.

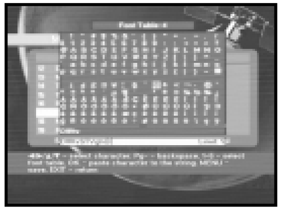
Left List : Deletes a channel by pressing the **Red (i)** key.

- Press **FAV** key to select another favorite list.
- Then press OK key for confirmation.

2.7 Move & Edit Channel



- Select the desired list with ◁ / ▷ keys.
- Select channel by pressing **Red (i)** key.
- Press △/▽, P+/P- keys to change the position of the channel you want, and press OK key for confirmation.
- Press **Red (i)** key again to return to previous state
- If you want to return the channel to the initial position, do not press OK key but press **blue (AUDIO)** key.



- To edit channel name, press **Green (TEXT)** key. Font Table will be displayed.
- Select desired character with ◁/▷, △ / ▽, and then press OK key to paste character to the string.
- Press **MENU** key to save tge set data.

3. Parental Lock

This "**Parental Lock**" feature sets viewing restrictions and prevents unauthorized access to your DSR9500 through the PIN (Personal Identification Number), which is a 4 digit number.
(The factory preset PIN code : **0000**)



On selecting this menu, you will have two options: to set lock for any desired channel and to change your PIN value.

- Enter PIN code.

If you have not entered your own PIN code then the **PIN** code **0000** applies, which was set at the factory.

3.1 Set Channel Lock

- Select the channel by pressing ▲/▼, Pg+/Pg-, ◄/►.
- When you press the **TV/RADIO** key, TV list and Radio list are toggled.
- Select the channel lock by pressing **Red (i)** key.
- Press OK key for confirmation.



This will lock the channel. Whenever you need to view the channel, you will have to enter the PIN at the request window.

To cancel the lock :

- Press **Red (i)** key again in order to cancel the lock.

•••••••••••••••• OPERATING THE RECEIVER ••••••••••••••••

3.2. Change PIN Code

To change the PIN code, select the second option "**Change PIN Code"**.

This will take you to the following menu:



In this option, you need to enter the current PIN code at the first cursor, and at the second cursor enter the desired PIN code.
To confirm, you need to enter the new PIN code again.

Please remember the PIN code should be a 4 digit numerical value.

THE FACTORY PRESET PIN CODE : **0 0 0 0**.

Note : If you forget the PIN Code, please refer to the following instruction;
1. Press **MENU** Key on the RCU
2. Select "**System Setup**"
3. Select "**System Information**"
4. Press "**0000**"

4. System Setup

This option enables you to change the factory preset system settings as per your requirements.



4.1. Language Selection

The "**Language Selection**"option allows the user to select the desired language of the OSD, Soundtrack, Teletext, Subtitle or EPG.



- To accommodate user from different regions speaking different languages.
- To select the desired language menu, press ◁/▷ keys to change language and press (OK).
- The OSD Language, Soundtrack, Teletext, Subtitle, or EPG will vary according to the selected language.

4.2 OSD Setting

You can set the OSD transparency and the display time.

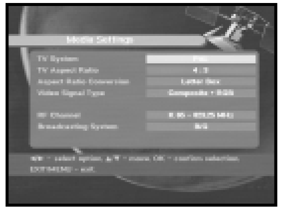


- Select OSD Transparency type. The OSD Transparency level from 0 to 100%.
- Set the display duration of the information(banner) box displayed in the screen. The time ranges from 0.5 to 60.0 seconds.

OPERATING THE RECEIVER

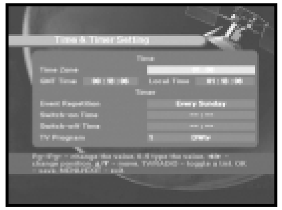
4.3 Media Settings

You can set the various media settings you want. Place the cursor on this sub menu and press (OK) .



- Select the TV system : PAL, SECAM.
- Select the **TV** type according to your **TV**: **STANDARD** 4: 3 ratio or **WIDE SCREEN** 16 : 9 ratio type.
- Select the aspect ratio conversion : Letter box, Pan & Screen, Mixed or Full.
- Select the Video Signal Type : Composite+RGB or Composite.
- Select the RF Channel.
- Select Broadcasting System : B/G, I or D/K.

4.4 Time & Timer Setting



- Place the cursor on this sub menu and press (OK) .
- Press the (Pg+) / (Pg-) , ◁/▷ keys to change the Local time in Time Zone. The local time will be changed according to your location.
- Press the ◁/▷ keys to choose event repetition you want to reserve : Daily, Every Sunday, Every Monday, Every Tuesday, Every Wednesday, Every Thursday, Every Friday, Every Saturday, Once.
- Press the **Numerical (⓪ ~ ⑨)** keys to set the time you want and press the ◁/▷ keys to choose a switch time you want to reserve.
- Select TV program to set the event program by pressing ◁/▷ keys. When you press the **TV/RADIO** key, TV program and Radio program are toggled.

4.5 System Information

If you have to contact your service provider or a service center they might ask for information available from this menu.
Place the cursor on this sub menu and press (OK) key.
The following will be the on-screen display.



4.6 Software Upgrade

You can download and upgrade the software of this **STB** through ASTRA, Sirius and Hotbird satellite when the new software is released.

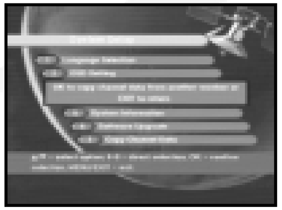
During downloading don't turn off the **STB**.



If there is a new version of software to download, you are asked if you will update or not.
If you press (OK) key, the update starts right away.
In case update is impossible, you get this message "**You can't update software!**" Or in case you don't need to update, "**You don't need to update software!**" will be displayed.

4.7 Copy Channel Data

If you want to copy the channel data from one receiver to another, please follow the instruction below.
Please make your own channel data, such as favorite & lock channel with your own master box.
Then take your master box when you install another box.

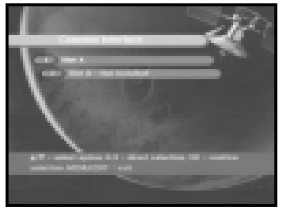


1. Plug on both master & slave receivers
2. Master Box(Installed Box) : Stand-by Mode
3. Slave Box(Installing Box) : Menu Mode
4. Connect 2 Boxes with RS232 serial cable (Both end should have male connector)
5. Select '**4. System Setup**'
6. Press '**7**' key on RCU
7. Press '**OK**' to start channel data copy

OPERATING THE RECEIVER

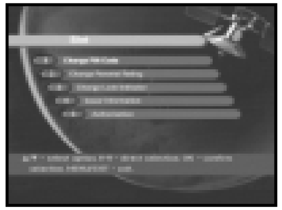
5. Common Interface

This STB is equipped with two PCMCIA slots, which enable the use of two CI-CAMS.
When a Common Interface CAM is inserted inside the PCMCIA slot,
the system detects the type of the CAM automatically and display in the main menu.
On choosing this menu, you will be able to access the different options available with the type of the CAM like authorizations, pre-booking, package details etc.,



SLOT A: You can see the Common Interface CAM's name which has been inserted.
SLOT B: "**Not installed**" is displayed when there is no CAM in slot.

6. Embedded Viacces



1. Change PIN code:
Change the PIN code of the Smartcard, if necessary.

2. Change Parental Rating:
Change the setting for the family filter, if necessary.

Note : This service is not offered by all channels.

3. Change Lock indicator:
You can change the lock status of the Viaccess Smartcard.

4. Issuer Information:
Here you can call up all information stored on the Smartcard by the publisher.

5. Authorization:
This option would indicate the authorization status of the Smartcard.

TROUBLESHOOTING

Problem	Possible cause	Solution of the problem
No display LED on the front panel; No power supply	Power cord not plugged in correctly	Power cord plug in correctly
No pictures on the screen	Receiver in Standby mode; Scart not connected tightly to video output of television; incorrect channel or video output selected on television	Set receiver to "On"; Check connection and correct; Check channel and video output and correct (TV instruction manual)
No sound	Audio cord connected incorrectly; Loudness level = 0; Muting active	Check connection and correct; Increase loudness on television set; Press the MUTE key
Remote Control does not operate directly	incorrect operation; Batteries dead or inserted incorrectly	Point remote control towards the Receiver. Replace batteries or insert correctly
Poor picture quality	Signal strength to low	Check the signal strength in the "Auto Scan" menu, correct alignment of your antenna
On-Screen Error Message "Searching for signal"	Antenna cable not connected or not tight; LNB defective; incorrect position of the satellite antenna;	Check connection and correct; Change LNB; Check position and correct, Check the signal strength in the "Auto Scan" menu
On-Screen Error Message "Channel data does not exist."	Satellite not yet set	Scan of in "Automatic scanning" or "Manual scanning" menu
On-Screen Error Messages: "Please check the Smartcard"; "Please insert the Smartcard".	Smartcard: - not plugged in correctly; - not plugged in.	(depend on model) Check the Smartcard. "Insert the Smartcard."

DISPOSAL

The device, packaging material (e.g. Styrofoam) and the batteries must never be disposed of with household refuse.
Please obtain appropriate information about the regulations in your community, and dispose of all refuse in accordance with regulations at the separate locations provided.

TECHNICAL SPECIFICATIONS

1. User section

4000 programmable channels, software download via satellite & PC, advanced Electronic Program Guide, multi-language supported for OSD, DiSEqC 1.2 supported full function infrared remote control unit, 7 segment LED display, auto and manual scan facility, channel organizing (programmable), SCARTS & RCA output, low power consumption

2. Tuner section

950 ~ 2150 MHz wide band tuner, IF output with DC pass loop for analog receiver, supporting DiSEqC 1.2 version, 13 V/18 V switching, 22 KHz continuous tone control

3. Video section

DVB-S compliant, MPEG-2 video (MP@ML) 2 - 45 Ms/s symbol rate modulator output, compatible for both SCPC/MCPC, supports aspect ratio 4:3 (normal) and 16:9 (wide screen)

4. Audio section

MPEG 1 audio layer I & II mono, dual, stereo and joint stereo audio mode, 32, 44.1 and 48 KHz sampling frequencies, volume control and mute function through Remote Control Unit.

Power supply

Type:	SMPS
Input voltage:	95 ~ 240V AC 50/60 Hz
Fuse rating:	250 V/T2 A

Tuner

Freq. Range:	950 ~ 2150 MHz
Input signal level:	-65 ~ -25 dBm
First IF freq.:	479.5 MHz
Channel selection:	PLL frequency synthesizer
Input impedance:	75 Ω unbalanced
Connector type:	F type female
LNB power control:	13 V/18 V, 22 KHz tone
DiSEqC:	1.2 supported

Demodulator

Type:	QPSK DEMODULATION (DVB-S)
Symbol rate:	2 ~ 45 Ms/s
Inner FEC:	Viterbi Convolutional Coding Rate - 1/2,2/3,3/4,5/6,7/8
Outer FEC:	Reed Solomon Coding (204,188) t = 8

TECHNICAL SPECIFICATIONS

Video decoder

System decoding:	MPEG 2 ISO/TEC 13818 (transport stream)
Profile and level:	MPEG 2 MP@ML (4:2:2)
Data rate:	1~ 15 Mb/s
Video formats:	4:3 (normal) & 16:9 (widescreen)
Picture resolution:	720(H) x 576(V) x 50 fields/sec

Audio Decoder

System decoding:	MPEG 1 ISO/TEC 11172~3 layer I & II
Audio mode:	mono, dual, stereo, joint stereo
Sampling frequency:	32,44.1,48 KHz

A/V output

TV SCART:	VIDEO (CVBS, RGB), AUDIO R&L
VCR SCART:	VIDEO (CVBS), AUDIO R&L
RCA JACK:	VIDEO (CVBS), AUDIO R&L
SPDIF Digital Audio Output	
S-VHS	YC p_p 1Volt (±10%)

RF modulator

Modulator output:	CH 21_69 (preset to CH 21)
Video type:	PAL B/G, K, I
UHF output level:	70±5 dBμV
Output connector:	IEC male
Ant. O/P connector:	IEC female
Tuning method:	PLL frequency synthesizer

Serial data interface

Standard:	RS232C, Max. 115.2 kB
Connector type:	9 pin D-type female

Embedded descrambler

VIACCESS conditional access system.

Smart card

2 slots, embedded Viaccess: interface & descramble

Common Interface

(For models DSR 9500 CI, DSR 9500 VIA CI)

Module Type:	PCMCIA TYPE II x 2
Available CAM:	VIACCESS, IRDETO, NAGRAVISION, CRYPTOWORKS, CONAX, SECA, Etc.

MEMO

3. Software Upgrade and Installation

3-1 Flash Memory Writing process

How to input software after changing Boot software and replacing Flash Memory.

3-1-1 JPI Setting Manual

1) JPI exe Program : Setting ver R1.80
   Make C:\STM\ST20R1.80 folder in C and copy exe file.
   Execute setup file in C:\STM\ST20R1.80 folder.

2) PC Setting
   Execute vppi set in bin folder, opening C:\STM\ST20R1.80\bin folder
   Port type in vppi set up : Auto Detect -> EPP
   Access Mode : after altering Synchronous -> Interrupt,
   Click Apply and close “vppi set up”.
   Open Regedit exe in Windows (O) : regedit
   HKEY_LOCAL_MACHINE double click -> SYSTEM double click -> CURRENT CONTROL SET double click -> SERVICES double click -> VxD double click
   vppi set click -> *Access Mode : 0x00000002(2)
   *Port Type : 0x00000003(3)

◆ Following line should be added at Autoexec.bat of PC.
SET ST20ROOT=C:\STM\ST20R1.80
SET STVM_HOME=C:\STM\ST20R1.80
SET TOOLSET=C:\STM\ST20R1.80

3) Caution
   ◆ When Defaulting in vppi set up (in case of not altering)
   Access Mode : 0x00000003(3)
   ◆ Port Type : 0x00000000(0)
   ◆ When inputting boot program as JPI, following items should be omitted in C:\windows\system.ini file[386Enh].
   device=C:\ST20SWC\tools\vwrun.386
   device=C:\ST20SWC\tools\vb045st.386
   device=C:\ST20SWC\tools\vb008st.386
   * If copied by PPI, above items should be included.

3-1-2 Boot Software Input Process (Same Process in Main Software Installing)

<How to install software using JPI Adapter>

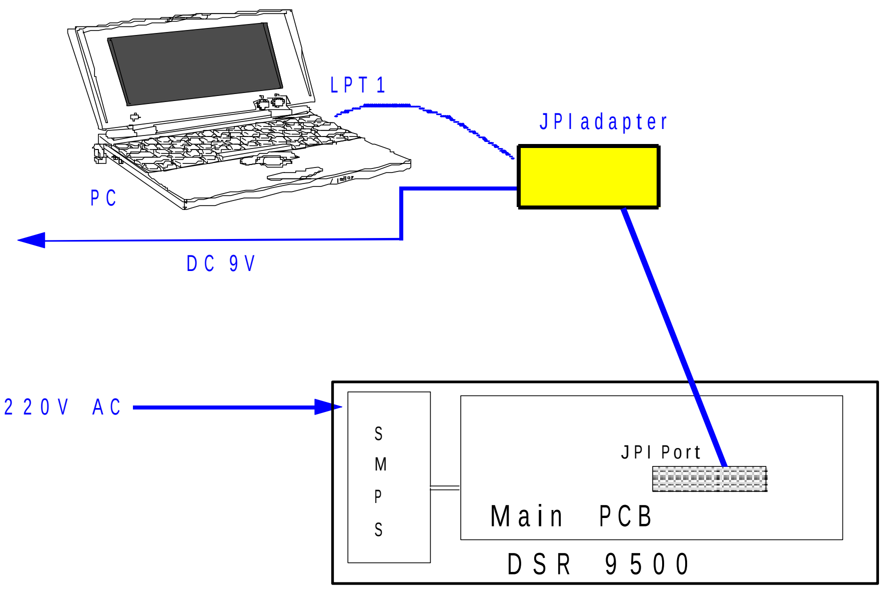


Fig. 3-1

❶ Prepare PC and JPI, DSR 9500 as above figure.
❷ Connect MAIN BOARD to JIG, JPI ADAPETER to JPI Port of MAIN PCB.
Then JP102(Jumper) Short of Main Board.
❸ Approve a power source of POWER SUPPLY in the product set.
❹ Convert PC into MS-DOS MODE.
❺ Execute C:\amd-boot\flash file name (SETTING UP ST20 DCU TOOLSET 1.6.2 SETTING END)
❻ After the power source of POWER SUPPLY OFF.
Then disassemble from JPI ADAPTER CONNECTER.

◆ SRF00901EA (FTA) -> C:\amd-boot\flash boot_FTA_9500_1
◆ SRF02901EA (CI) -> C:\amd-boot\flash boot_CI_9500_1
◆ SRV20901EA (EM VIA) -> C:\amd-boot\flash boot_VIACCESS_9500_1
◆ SRV22901EA (VIA CI) -> C:\amd-boot\flash boot_CI_VIACCESS_9500_1

"Message Check"
Program Start
Erased Block 65 OK!
Erased Block 66 OK!
Erased Block 67 OK!
Erased Block 68 OK!
Erased Block 69 OK!
received 65 block
entering fast mode programming sequence from C05e0000 to 7ffe0000
received 66 block
entering fast mode programming sequence from C05f0000 to 7fff0000
received 67 block
entering fast mode programming sequence from C05f8000 to 7fff8000
received 68 block
entering fast mode programming sequence from C05fa000 to 7fffa000
received 69 block
entering fast mode programming sequence from C05c0000 to 7fffc000
romtool : Operation Complete
Test Mode

3-1-3 MAIN Software Install Process

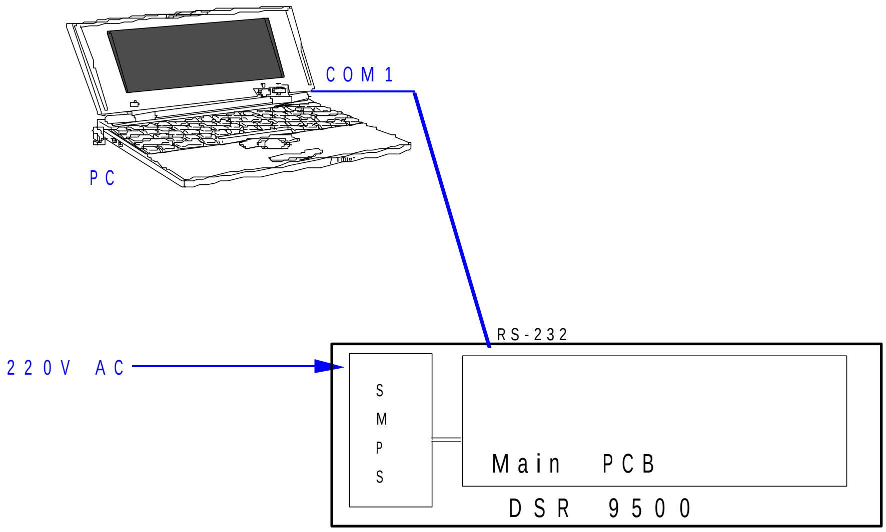


Fig. 3-2

❶ Open DSR.TRM file while executing HYPERTERMINAL of PC.
Port : Select to COM 1 port currently used.
Baudrate : 115200

❷ As Vol-up key of Front PCB presses, POWER(PLUG) ON.
- ◆ SRF00901EA : Samsung Brand FTA Model
  Loader version x. x
- ◆ SRF02901EA : Samsung Brand CI Model
  Loader version x. x
- ◆ SRV20901EA : Samsung Brand EM VIACCESS Model
  Loader version x. x
- ◆ SRV22901EA : Samsung Brand CI+VIACCESS Model
  Loader version x. x

❸ Send a file at Download ROM image. (PROTOCOL : 1K XMODEM)

❹ Select Main Program (C:\main\DSR9500_2002_04_03_120_44D2.bin) by each kinds as selecting the File Send of Transfer or Hyperterminal.

❺ Check if the normal message appears.

MEMO

1. Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including : control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children --might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1-1) :
   Warning : Do not use an isolation transformer during this test. Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including : antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

6. X-ray Limits :
   The picture tube is designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original.

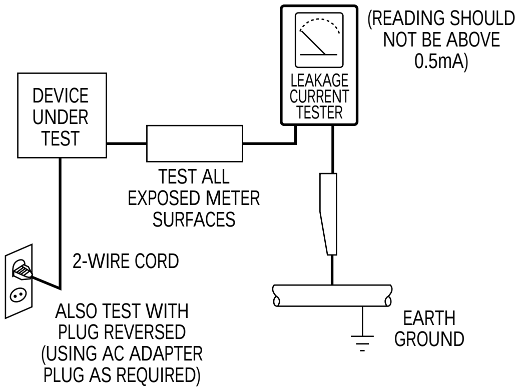


Fig. 1-1 AC Leakage Test

7. Antenna Cold Check :
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong.
   Connect the other lead to the coaxial connector.

8. High Voltage Limit :
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.

   Heed the high voltage limits. These include the X-ray protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

9. Some semiconductor ("solid state") devices are easily damaged by static electricity.
   Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

10. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

11. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

12. Design Alteration Warning :
Never alter or add to the mechanical or electrical design of this unit. Example : Do not add auxiliary audio or video connectors.
Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

13. Hot Chassis Warning :
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

To confirm that the AC power plug is inserted correctly, do the following : Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

14. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

15. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

16. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

17. Observe the original lead dress, especially near the following areas : Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

18. Picture Tube Implosion Warning :
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

19. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

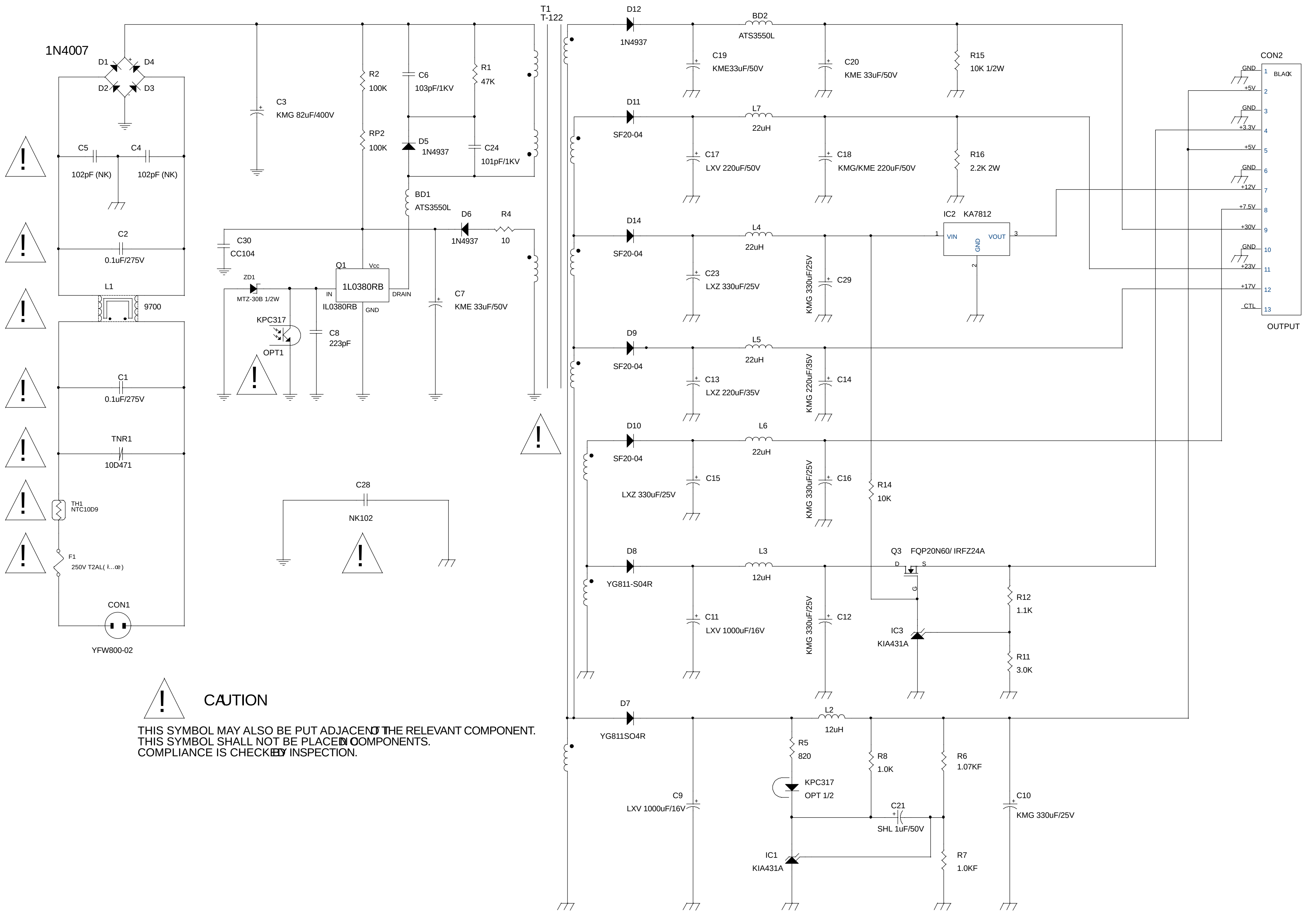
20. Product Safety Notice :
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

Components that are critical for safety are indicated in the circuit diagram by shading, (⚠ or ⚠).
Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

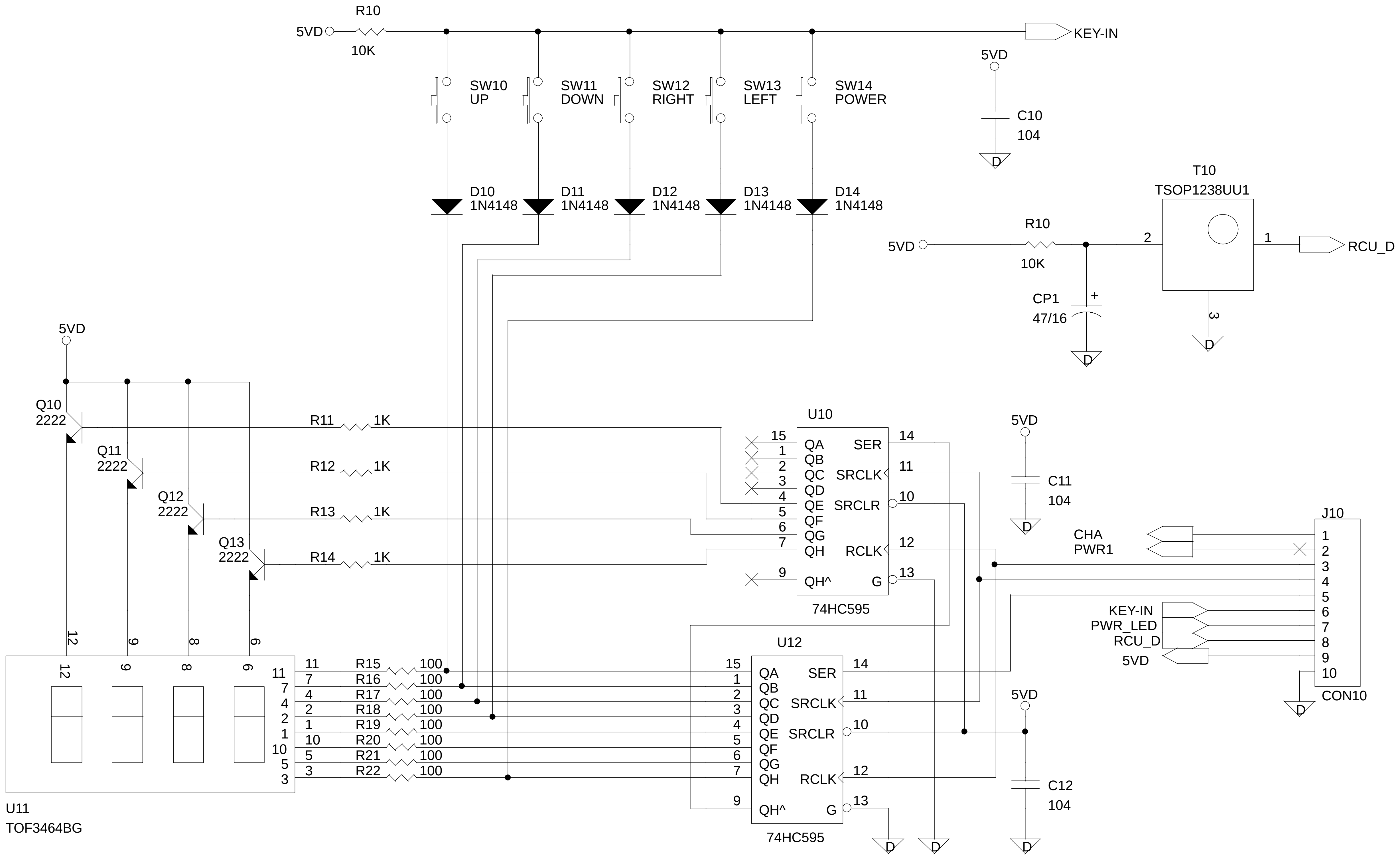
8. Schematic Diagrams

Main PCB

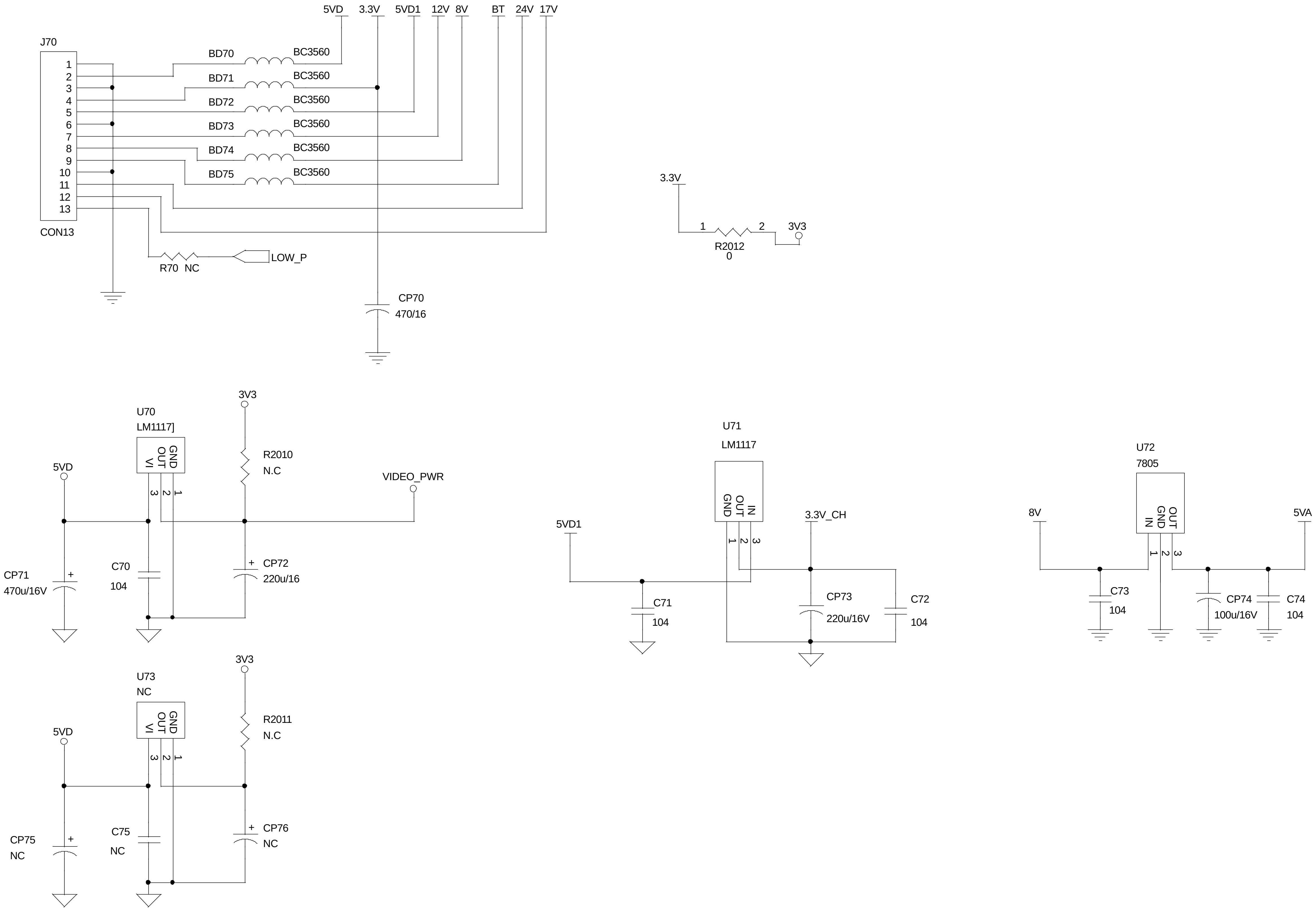
8-1 S.M.P.S.


1N4007
D1
D4
D2
D3
C5
C4
102pF (NK)
102pF (NK)
C2
0.1uF/275V
L1
9700
C1
0.1uF/275V
TNR1
10D471
TH1
NTC10D9
F1
250V T2AL
CON1
YFW800-02
C3
KMG 82uF/400V
R2
100K
RP2
100K
C6
103pF/1KV
D5
1N4937
R1
47K
C24
101pF/1KV
BD1
ATS3550L
D6
1N4937
R4
10
C30
CC104
ZD1
MTZ-30B 1/2W
Q1
Vcc
1L0380RB
IN
DRAIN
GND
IL0380RB
KPC317
OPT1
C8
223pF
C7
KME 33uF/50V
C28
NK102
T1
T-122
D12
1N4937
BD2
ATS3550L
C19
KME33uF/50V
C20
KME 33uF/50V
R15
10K 1/2W
D11
SF20-04
L7
22uH
C17
LXV 220uF/50V
C18
KMG/KME 220uF/50V
R16
2.2K 2W
D14
SF20-04
L4
22uH
C23
LXZ 330uF/25V
KMG 330uF/25V
C29
IC2 KA7812
VIN
VOUT
GND
D9
SF20-04
L5
22uH
C13
LXZ 220uF/35V
KMG 220uF/35V
C14
D10
SF20-04
L6
22uH
C15
LXZ 330uF/25V
KMG 330uF/25V
C16
R14
10K
D8
YG811-S04R
L3
12uH
C11
LXV 1000uF/16V
KMG 330uF/25V
C12
Q3 FQP20N60/ IRFZ24A
R12
1.1K
IC3
KIA431A
R11
3.0K
D7
YG811SO4R
L2
12uH
C9
LXV 1000uF/16V
R5
820
KPC317
OPT 1/2
R8
1.0K
C21
SHL 1uF/50V
R6
1.07KF
C10
KMG 330uF/25V
IC1
KIA431A
R7
1.0KF
CON2
GND
BLACK
+5V
GND
+3.3V
+5V
GND
+12V
+7.5V
+30V
GND
+23V
+17V
CTL
OUTPUT
CAUTION
THIS SYMBOL MAY ALSO BE PUT ADJACENT TO THE RELEVANT COMPONENT.
THIS SYMBOL SHALL NOT BE PLACED ON COMPONENTS.
COMPLIANCE IS CHECKED BY INSPECTION.

8-2 Front

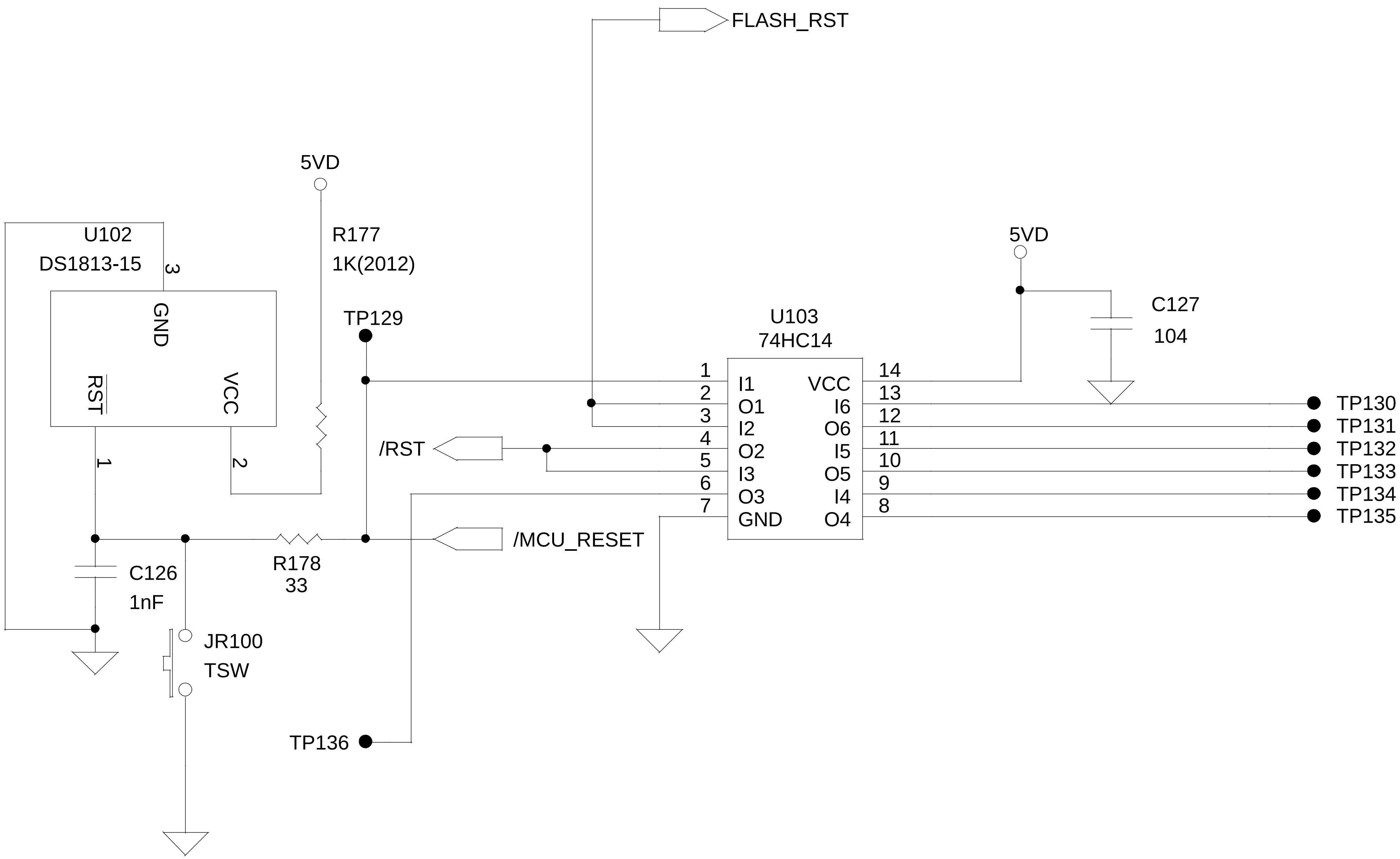

R10
5VD
10K
KEY-IN
SW10 UP
SW11 DOWN
SW12 RIGHT
SW13 LEFT
SW14 POWER
C10 104
D10 1N4148
D11 1N4148
D12 1N4148
D13 1N4148
D14 1N4148
T10 TSOP1238UU1
R10 10K
RCU_D
CP1 47/16
Q10 2222
Q11 2222
Q12 2222
Q13 2222
R11 1K
R12 1K
R13 1K
R14 1K
U10
QA QB QC QD QE QF QG QH QH^
SER SRCLK SRCLR RCLK G
74HC595
C11 104
J10
CHA
PWR1
KEY-IN
PWR_LED
RCU_D
5VD
CON10
U12
74HC595
C12 104
R15 100
R16 100
R17 100
R18 100
R19 100
R20 100
R21 100
R22 100
U11
TOF3464BG

8-3 Power

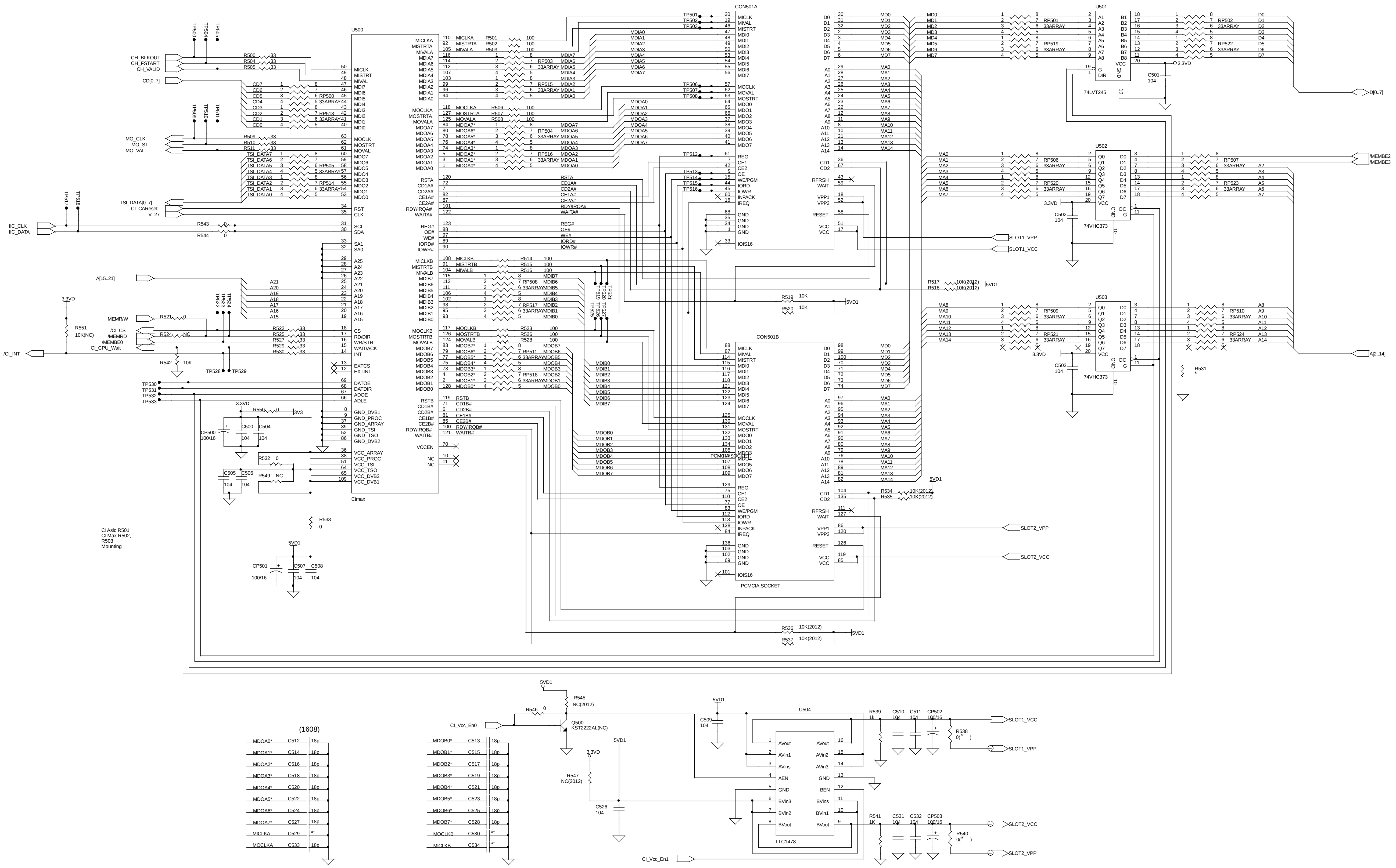


J70
CON13
1 2 3 4 5 6 7 8 9 10 11 12 13
BD70 BC3560
BD71 BC3560
BD72 BC3560
BD73 BC3560
BD74 BC3560
BD75 BC3560
5VD 3.3V 5VD1 12V 8V BT 24V 17V
R70 NC
LOW_P
CP70
470/16
3.3V
1 2 3V3
R2012
0
U70
LM1117]
GND OUT VI
3 2 1
3V3
R2010
N.C
VIDEO_PWR
5VD
CP71
470u/16V
C70
104
CP72
220u/16
U71
LM1117
IN OUT GND
1 2 3
5VD1
3.3V_CH
C71
104
CP73
220u/16V
C72
104
U72
7805
OUT GND IN
8V
5VA
C73
104
CP74
100u/16V
C74
104
U73
NC
3V3
R2011
N.C
5VD
CP75
NC
C75
NC
CP76
NC

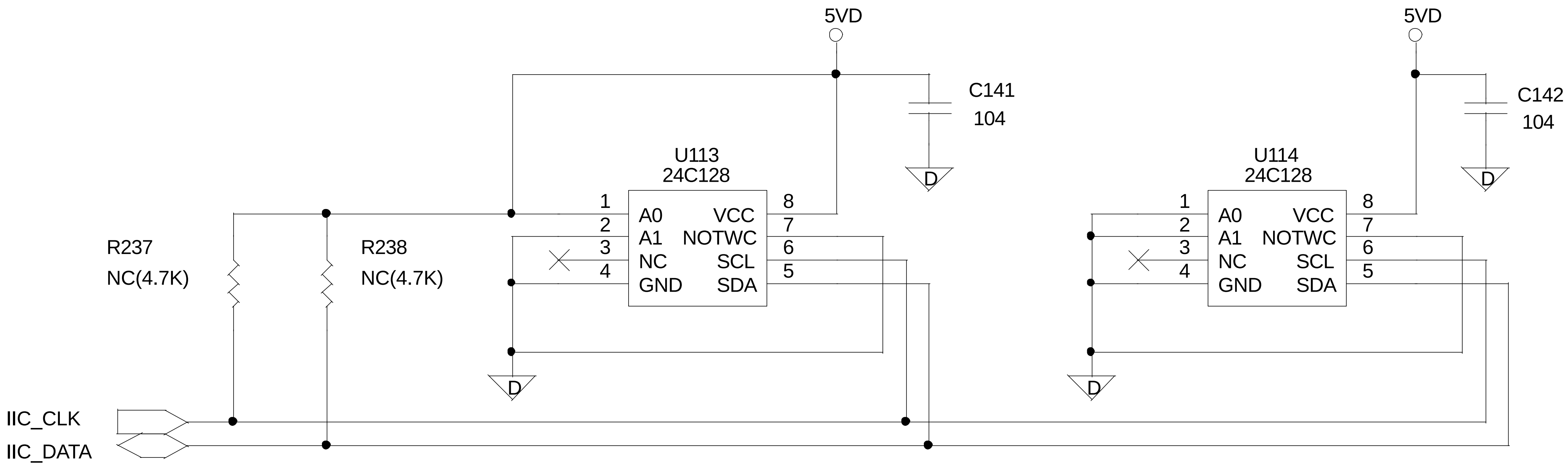
8-4 Reset


FLASH_RST
5VD
U102
DS1813-15
3
GND
RST
VCC
1
2
R177
1K(2012)
TP129
U103
74HC14
5VD
C127
104
1
2
3
4
5
6
7
I1
O1
I2
O2
I3
O3
GND
VCC
I6
O6
I5
O5
I4
O4
14
13
12
11
10
9
8
TP130
TP131
TP132
TP133
TP134
TP135
/RST
/MCU_RESET
R178
33
C126
1nF
JR100
TSW
TP136

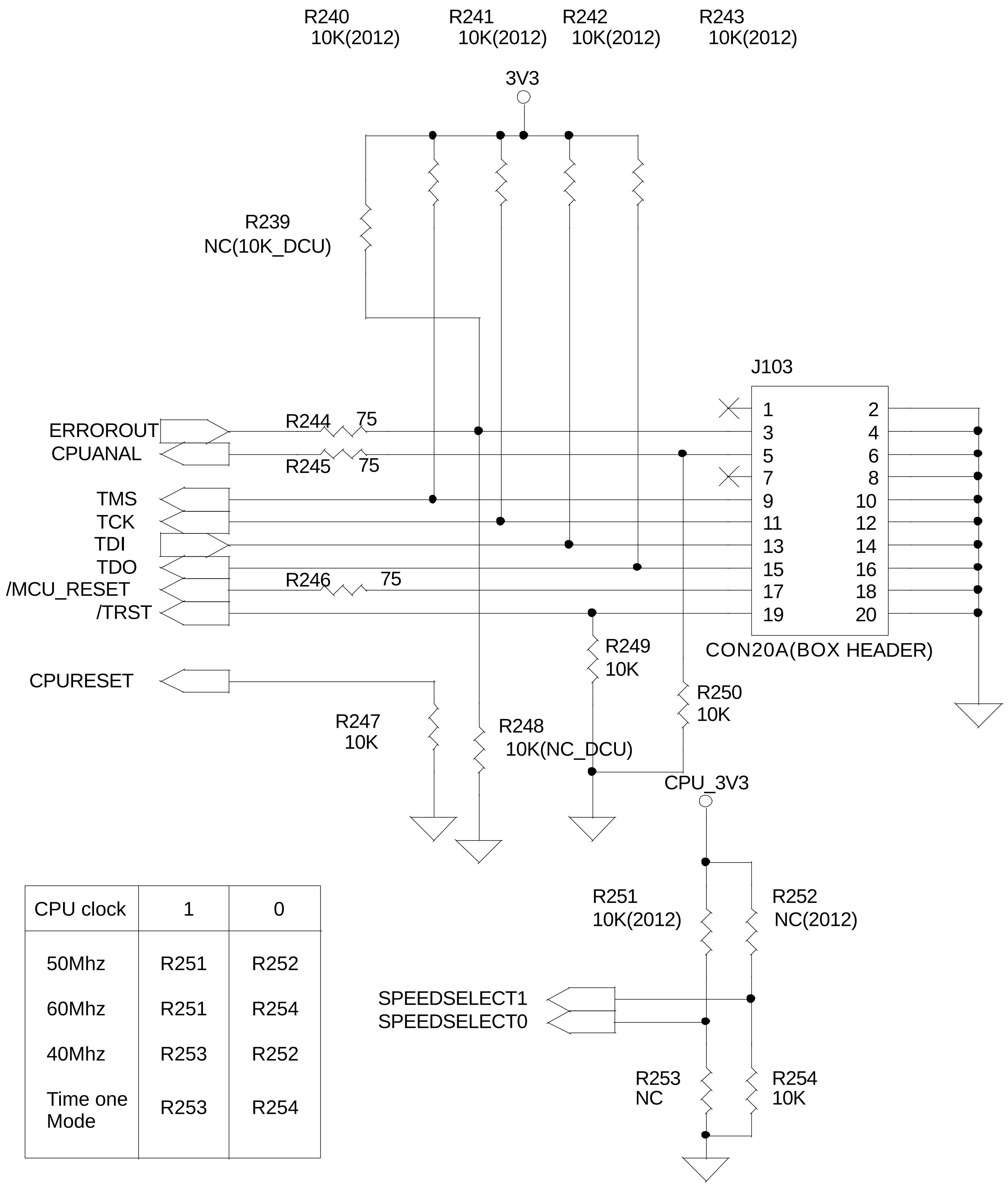
8-5 CIMAX (Only for CI, VIA CI Models)



8-6 NVM

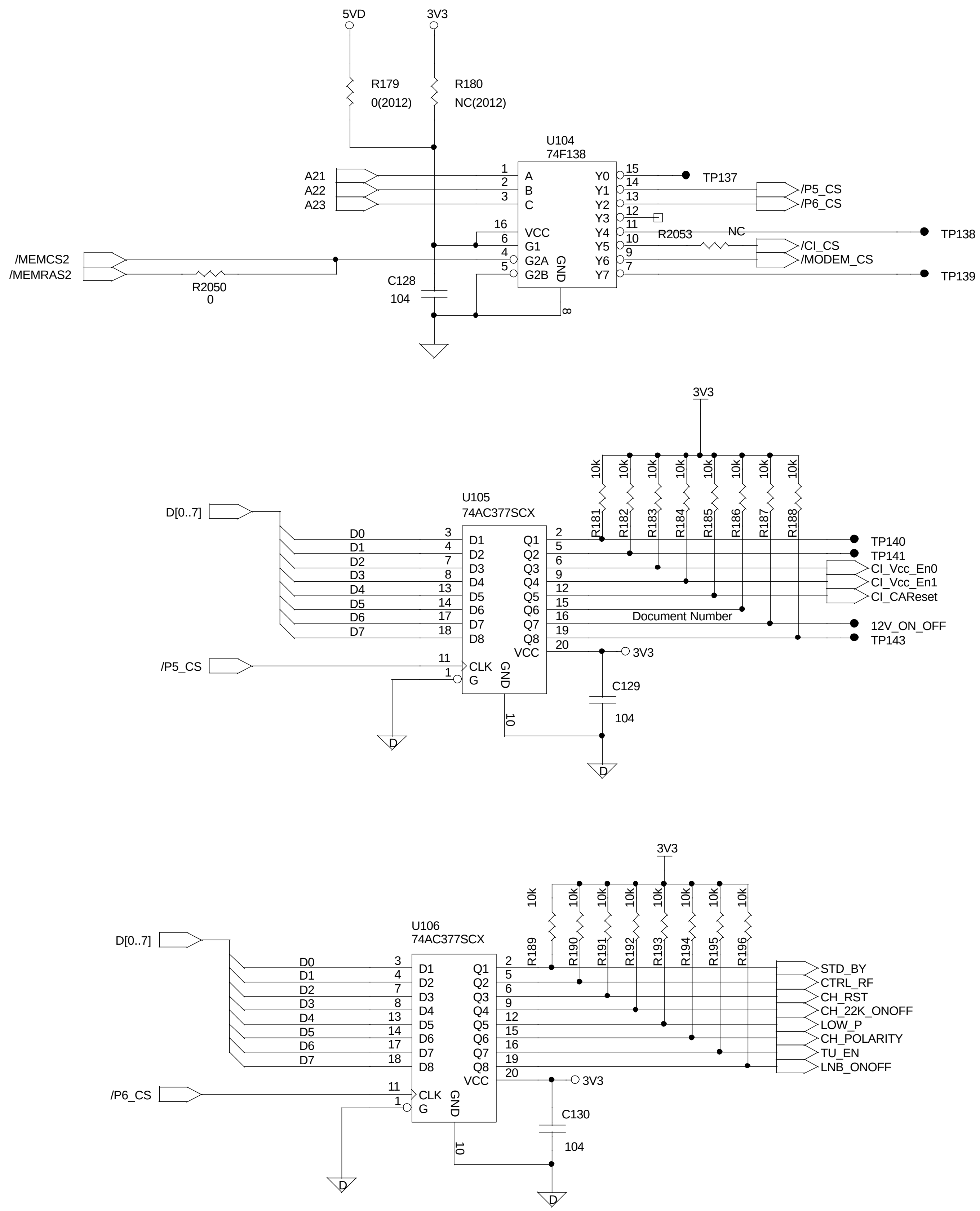

5VD
5VD
C141
104
C142
104
U113
24C128
U114
24C128
1
2
3
4
A0
A1
NC
GND
VCC
NOTWC
SCL
SDA
8
7
6
5
D
R237
NC(4.7K)
R238
NC(4.7K)
IIC_CLK
IIC_DATA

8-7 DCU

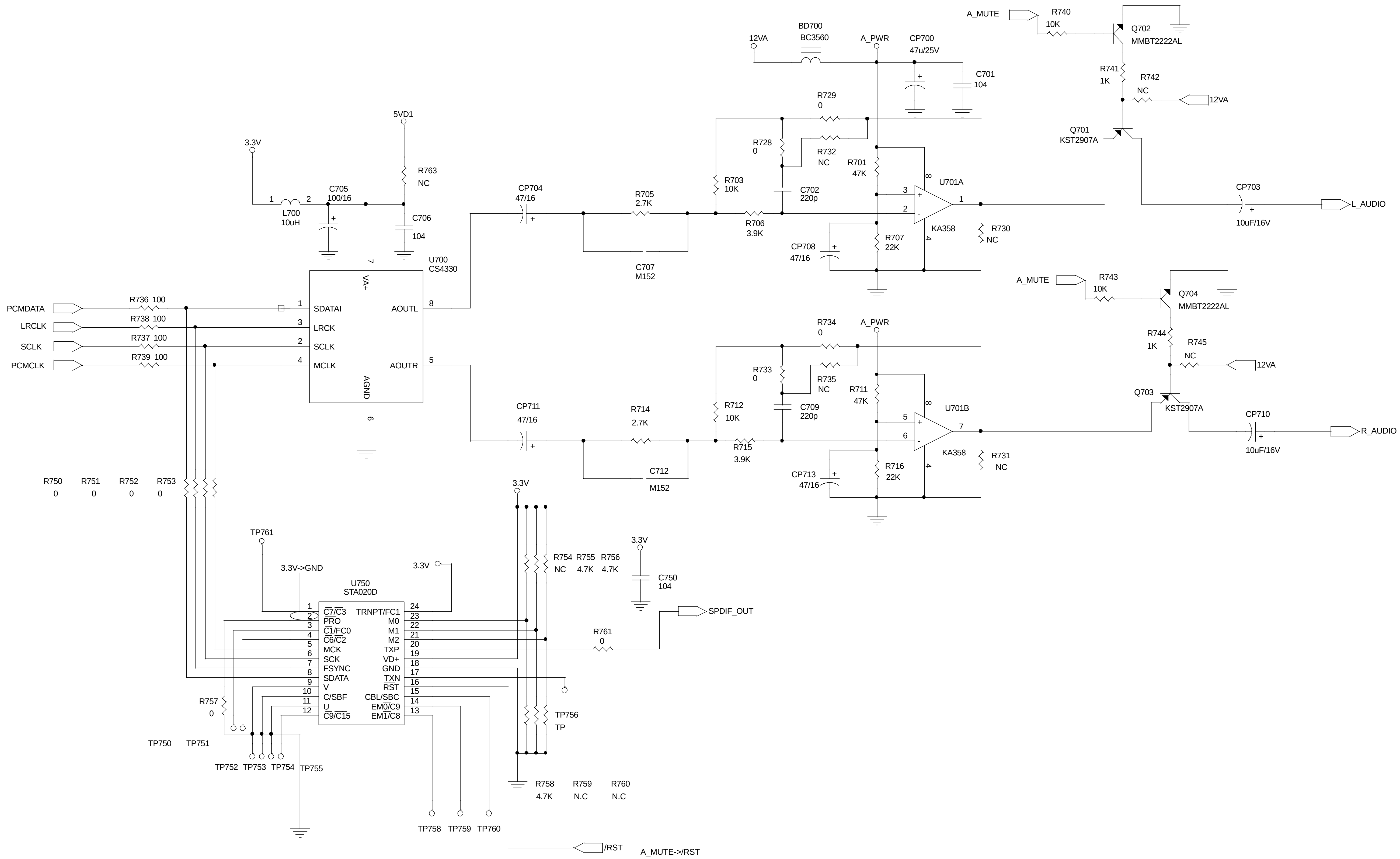


CPU clock	1	0
50Mhz	R251	R252
60Mhz	R251	R254
40Mhz	R253	R252
Time one Mode	R253	R254

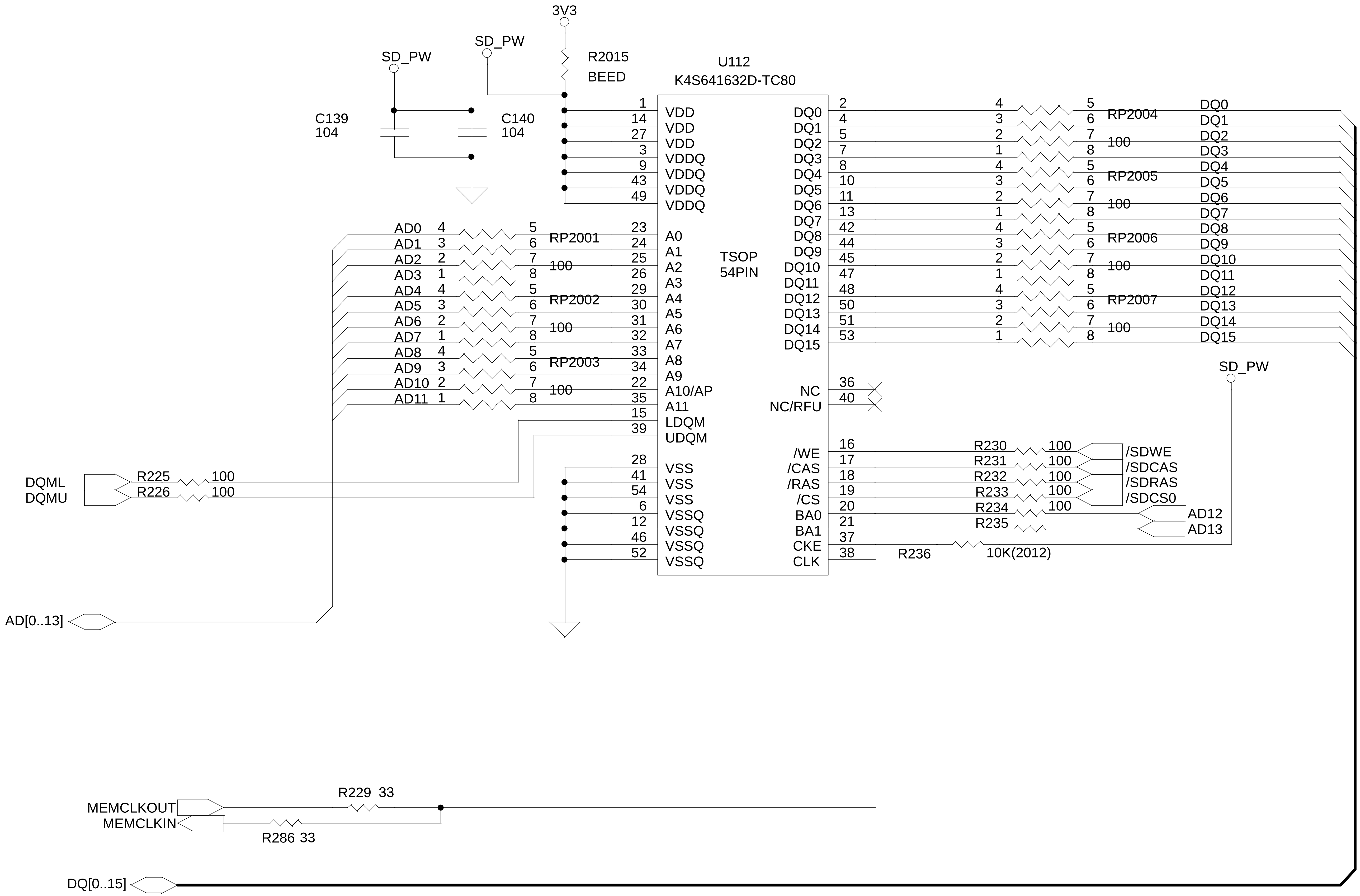
8-8 Sub-Bank


5VD
3V3
R179
0(2012)
R180
NC(2012)
U104
74F138
A21
A22
A23
/MEMCS2
/MEMRAS2
R2050
0
C128
104
A
B
C
VCC
G1
G2A
G2B
GND
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
TP137
/P5_CS
/P6_CS
R2053
NC
TP138
/CI_CS
/MODEM_CS
TP139
3V3
U105
74AC377SCX
D[0..7]
D0
D1
D2
D3
D4
D5
D6
D7
/P5_CS
CLK
G
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
VCC
R181
R182
R183
R184
R185
R186
R187
R188
10k
TP140
TP141
CI_Vcc_En0
CI_Vcc_En1
CI_CAReset
Document Number
12V_ON_OFF
TP143
C129
104
U106
74AC377SCX
/P6_CS
R189
R190
R191
R192
R193
R194
R195
R196
STD_BY
CTRL_RF
CH_RST
CH_22K_ONOFF
LOW_P
CH_POLARITY
TU_EN
LNB_ONOFF
C130
104

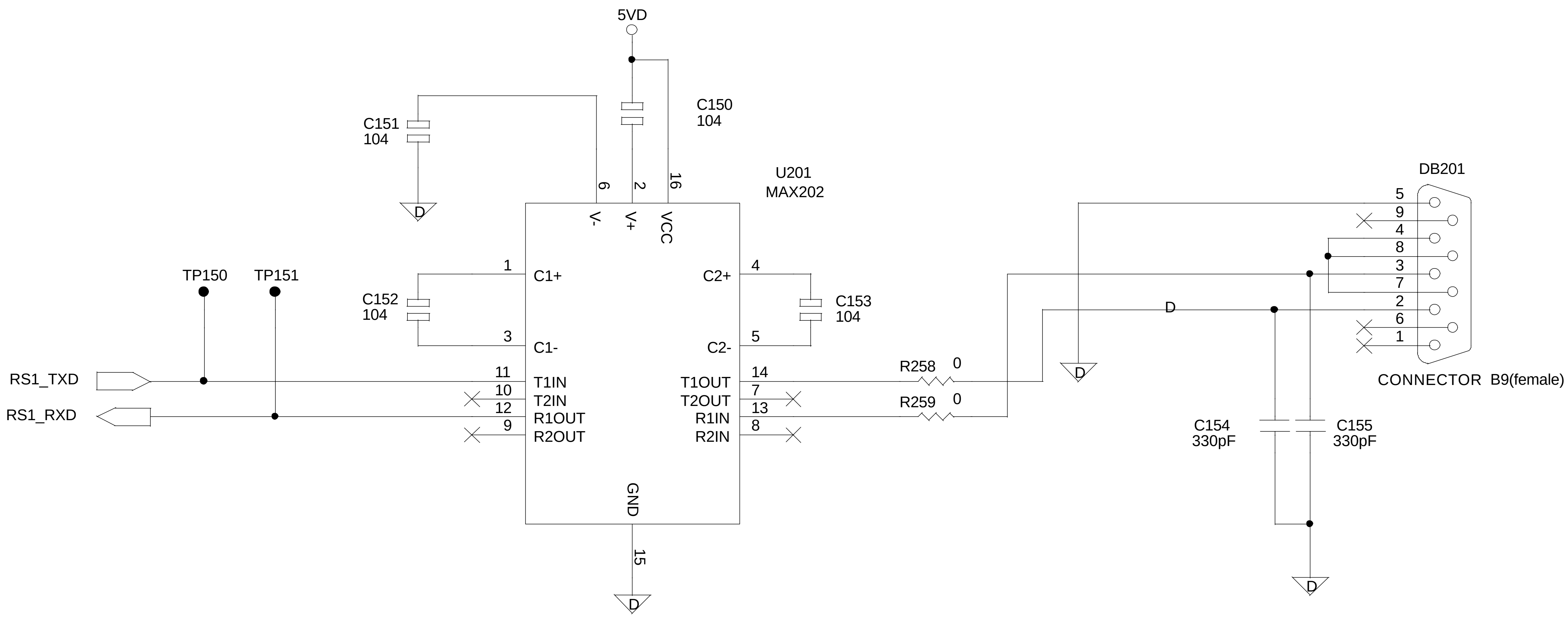
8-9 Audio


A_MUTE
R740
10K
Q702
MMBT2222AL
BD700
BC3560
12VA
A_PWR
CP700
47u/25V
C701
104
R741
1K
R742
NC
12VA
R729
0
Q701
KST2907A
R728
0
R732
NC
R701
47K
U701A
R703
10K
C702
220p
CP703
L_AUDIO
10uF/16V
5VD1
3.3V
R763
NC
C705
100/16
CP704
47/16
R705
2.7K
L700
10uH
C706
104
R706
3.9K
KA358
R730
NC
CP708
47/16
R707
22K
U700
CS4330
C707
M152
A_MUTE
R743
10K
Q704
MMBT2222AL
PCMDATA
R736 100
SDATAI
AOUTL
LRCLK
R738 100
LRCK
SCLK
R737 100
SCLK
PCMCLK
R739 100
MCLK
AOUTR
VA+
AGND
R734
0
A_PWR
R744
1K
R745
NC
12VA
R733
0
R735
NC
R711
47K
Q703
KST2907A
CP711
47/16
R714
2.7K
R712
10K
C709
220p
U701B
CP710
R_AUDIO
10uF/16V
R715
3.9K
KA358
R731
NC
C712
M152
CP713
47/16
R716
22K
R750
0
R751
0
R752
0
R753
0
3.3V
TP761
3.3V
R754 NC
R755 4.7K
R756 4.7K
C750
104
3.3V->GND
3.3V
U750
STA020D
C7/C3
PRO
C1/FC0
C6/C2
MCK
SCK
FSYNC
SDATA
V
C/SBF
U
C9/C15
TRNPT/FC1
M0
M1
M2
TXP
VD+
GND
TXN
RST
CBL/SBC
EM0/C9
EM1/C8
SPDIF_OUT
R761
0
R757
0
TP756
TP
TP750
TP751
TP752
TP753
TP754
TP755
R758
4.7K
R759
N.C
R760
N.C
TP758
TP759
TP760
/RST
A_MUTE->/RST

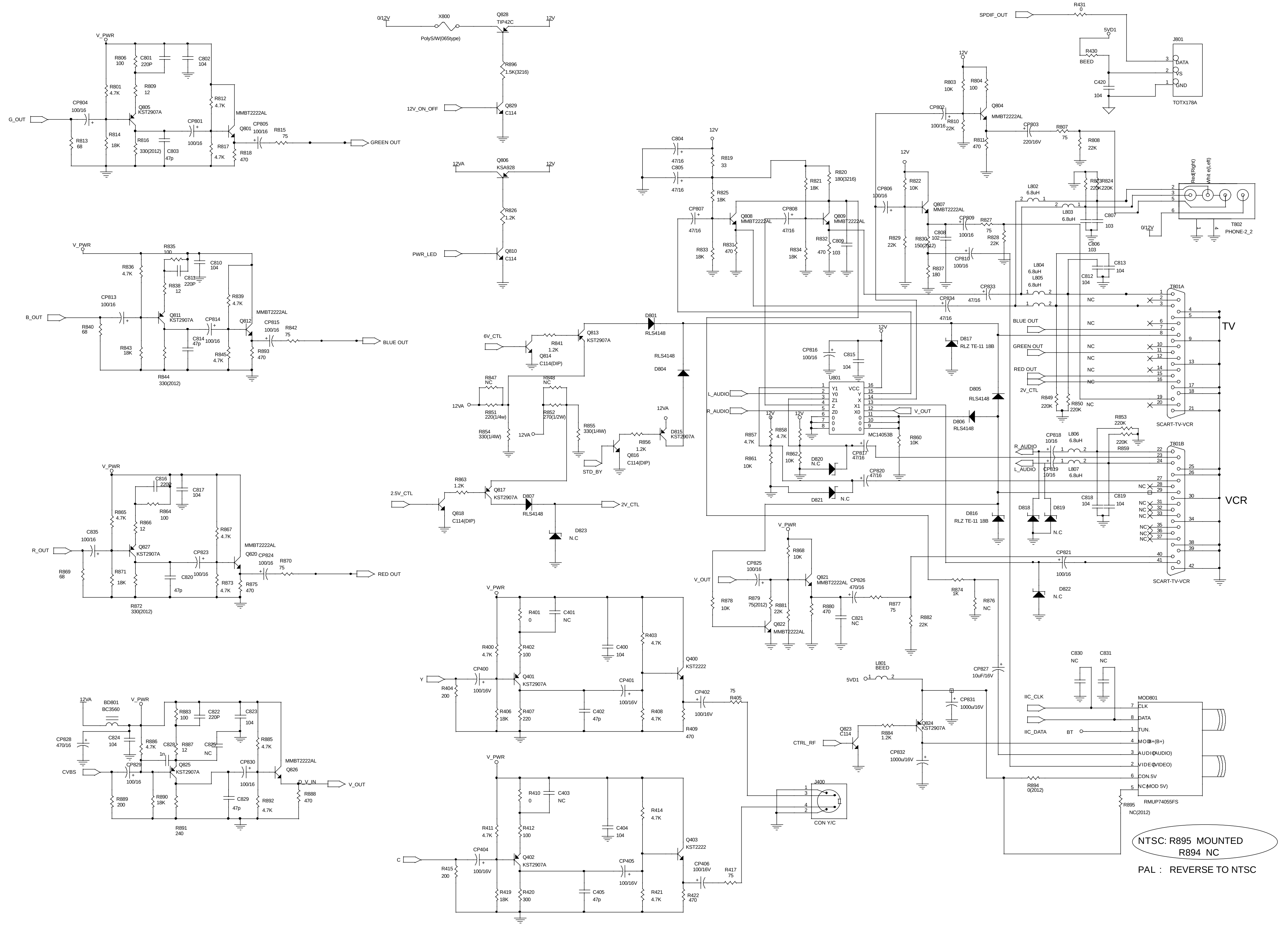
8-10 Video RAM



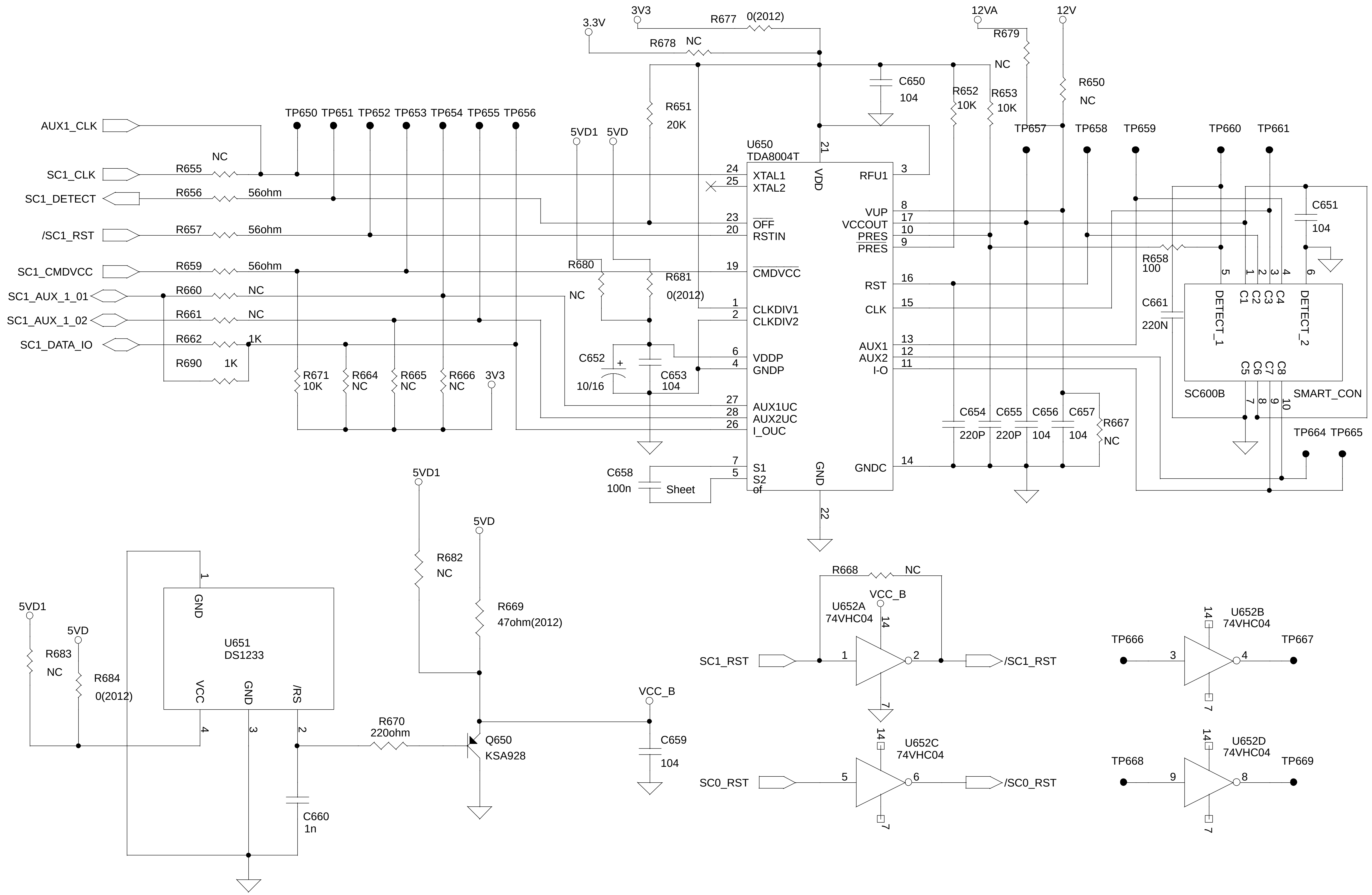
8-11 RS232


5VD
C150
104
C151
104
U201
MAX202
6
2
16
V-
V+
VCC
D
1
C1+
4
C2+
TP150
TP151
C152
104
C153
104
3
C1-
5
C2-
RS1_TXD
RS1_RXD
11
T1IN
10
T2IN
12
R1OUT
9
R2OUT
14
T1OUT
7
T2OUT
13
R1IN
8
R2IN
R258 0
R259 0
GND
15
DB201
5
9
4
8
3
7
2
6
1
CONNECTOR B9(female)
C154
330pF
C155
330pF

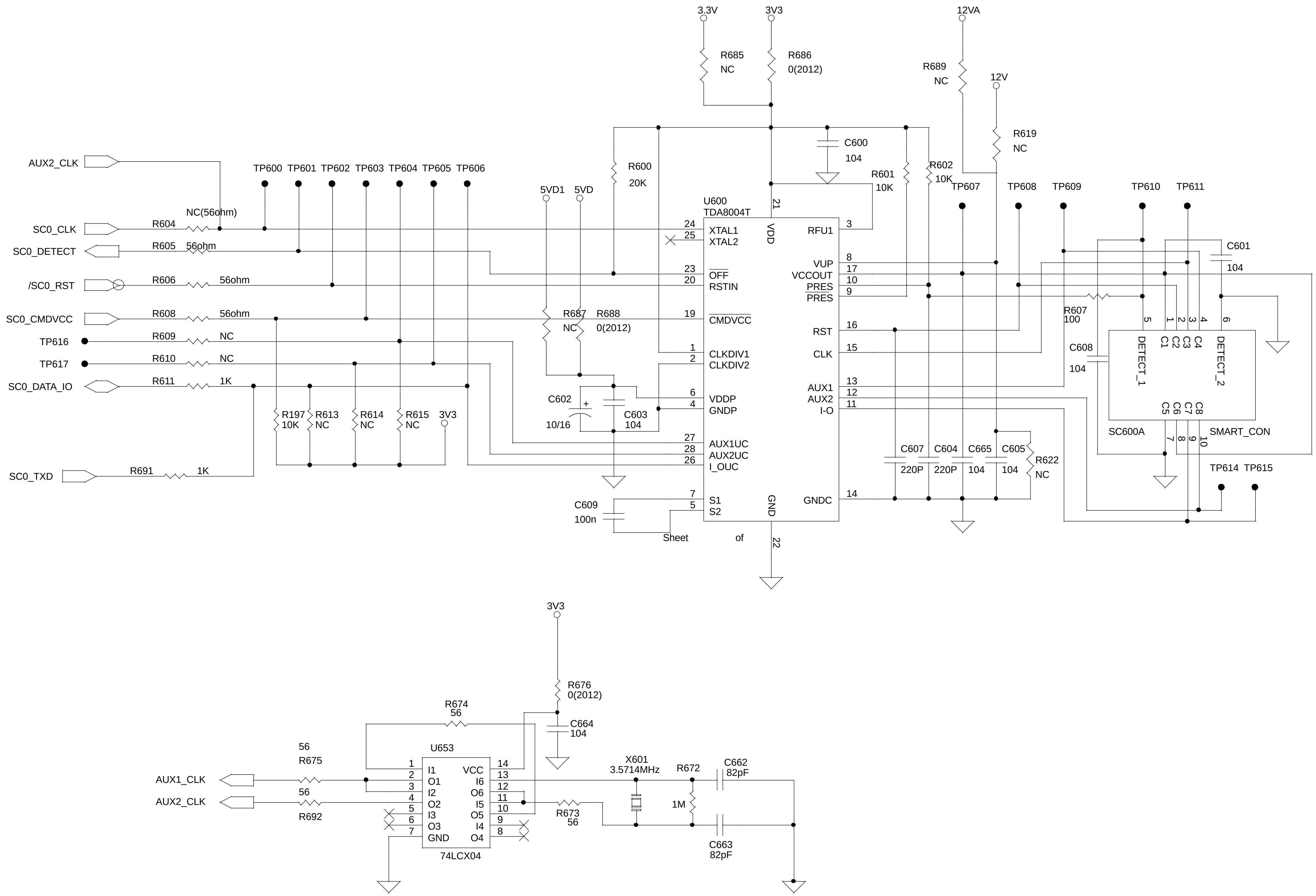
8-12 Output


G_OUT
GREEN OUT
B_OUT
BLUE OUT
R_OUT
RED OUT
CVBS
V_OUT
Y
C
12V_ON_OFF
PWR_LED
SPDIF_OUT
TV
VCR
SCART-TV-VCR
L_AUDIO
R_AUDIO
V_OUT
STD_BY
2.5V_CTL
2V_CTL
CTRL_RF
CON Y/C
IIC_CLK
IIC_DATA
RMUP74055FS
TOTX178A
PHONE-2_2
MC14053B
NTSC: R895 MOUNTED
R894 NC
PAL : REVERSE TO NTSC

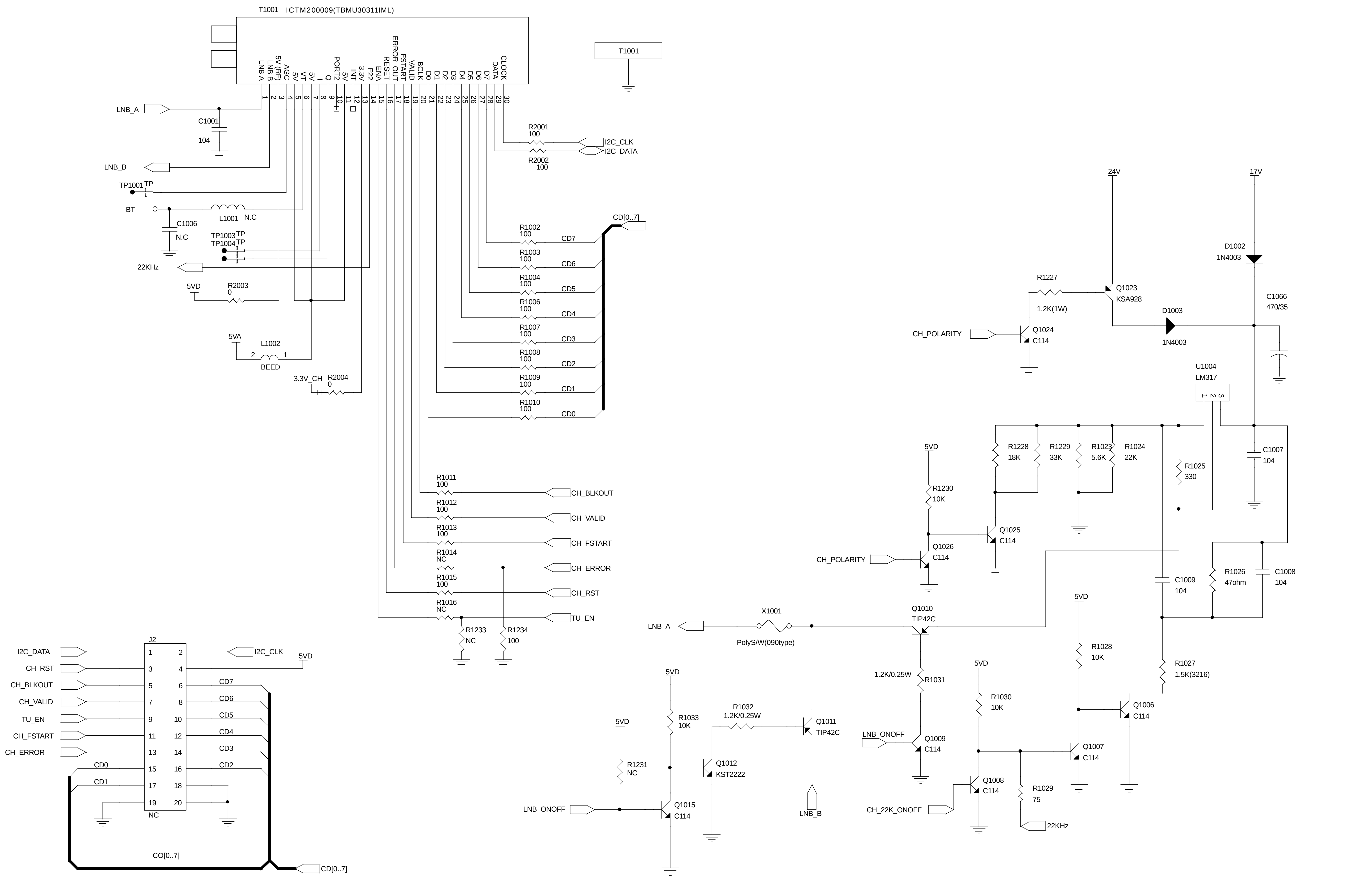
8-13 Smart Card #0 (Only for EM VIA, VIA CI Models)



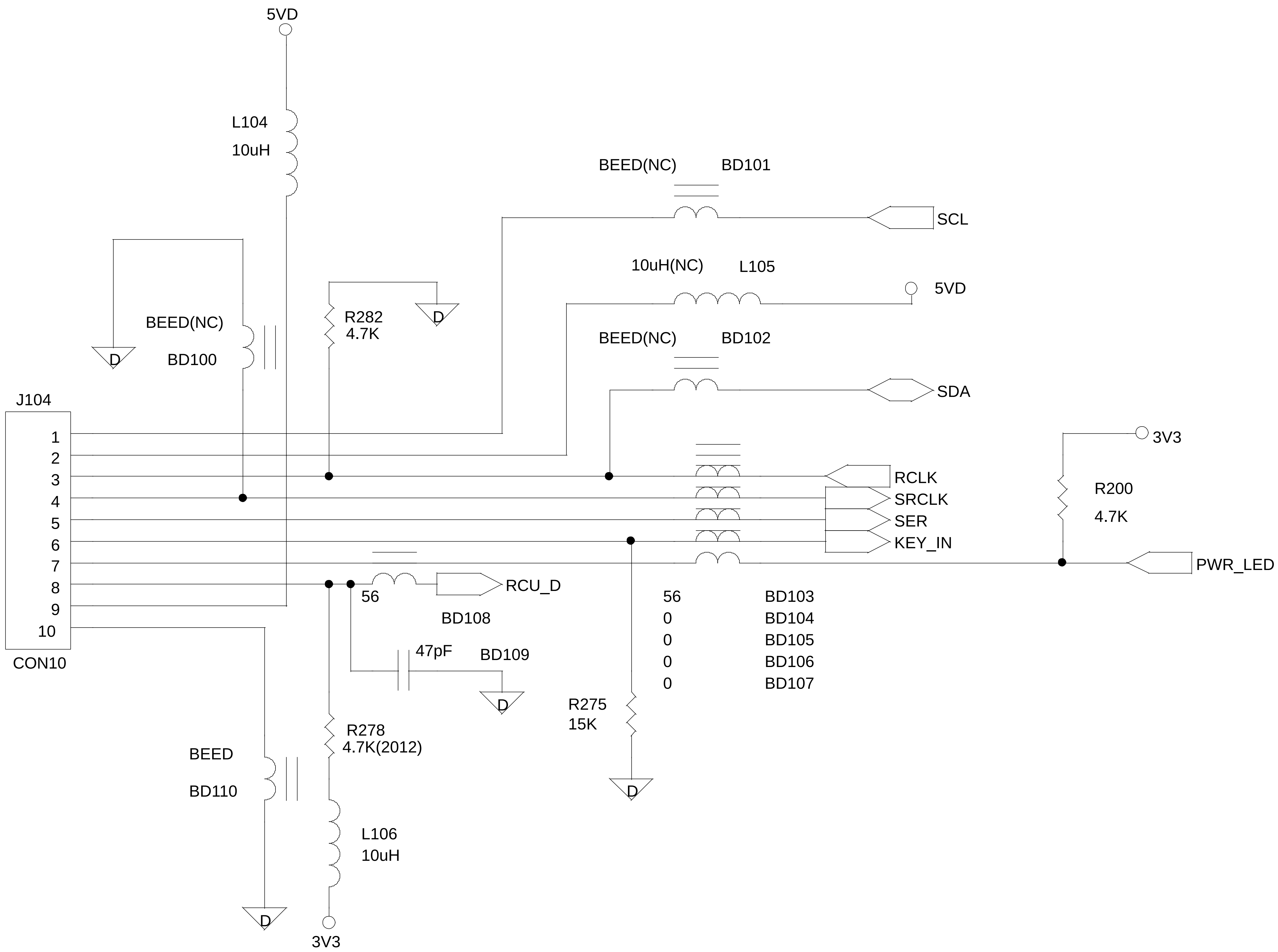
8-14 Smart Card #1 (Only for EM VIA, VIA CI Models)



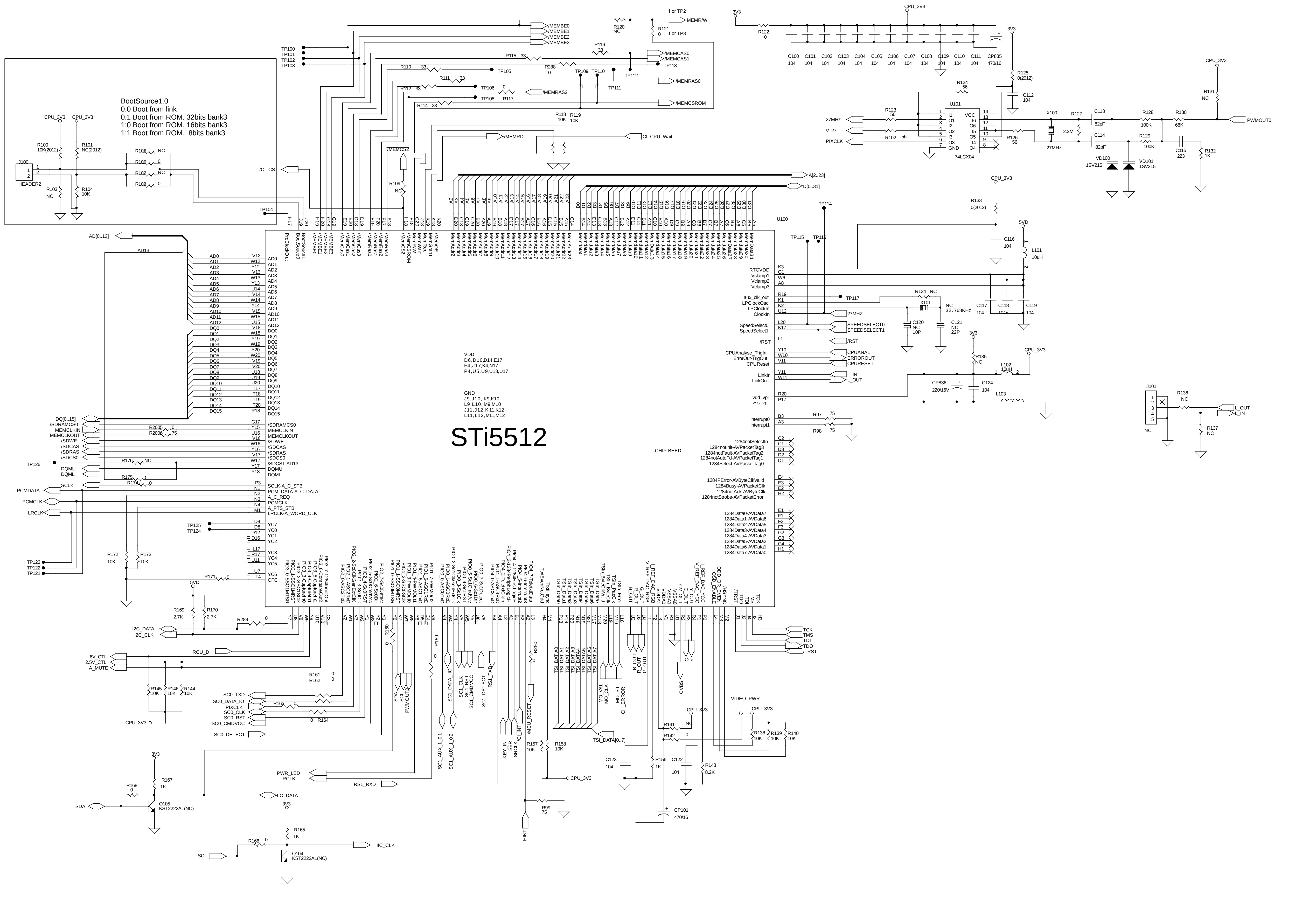
8-15 Channel


T1001 ICTM200009(TBMU30311IML)
LNB A
LNB B
5V (RF)
AGC
5V
VT
5V
I
Q
PORT2
5V
INT
3.3V
F22
ENA
RESET
ERROR OUT
FSTART
VALID
BCLK
D0
D1
D2
D3
D4
D5
D6
D7
DATA
CLOCK
T1001
LNB_A
C1001
104
LNB_B
TP1001
TP
BT
L1001 N.C
C1006
N.C
TP1003
TP1004
22KHz
5VD
R2003
0
5VA
L1002
BEED
3.3V_CH
R2004
0
R2001
100
I2C_CLK
I2C_DATA
R2002
100
CD[0..7]
R1002 100 CD7
R1003 100 CD6
R1004 100 CD5
R1006 100 CD4
R1007 100 CD3
R1008 100 CD2
R1009 100 CD1
R1010 100 CD0
R1011 100 CH_BLKOUT
R1012 100 CH_VALID
R1013 100 CH_FSTART
R1014 NC CH_ERROR
R1015 100 CH_RST
R1016 NC TU_EN
R1233 NC
R1234 100
J2
I2C_DATA
CH_RST
CH_BLKOUT
CH_VALID
TU_EN
CH_FSTART
CH_ERROR
I2C_CLK
5VD
CD0
CD1
NC
CO[0..7]
CD[0..7]
24V
17V
D1002
1N4003
R1227
1.2K(1W)
Q1023
KSA928
D1003
1N4003
C1066
470/35
CH_POLARITY
Q1024
C114
U1004
LM317
R1228 18K
R1229 33K
R1023 5.6K
R1024 22K
R1025 330
C1007 104
R1230 10K
Q1025 C114
Q1026 C114
C1009 104
R1026 47ohm
C1008 104
LNB_A
X1001
PolyS/W(090type)
Q1010
TIP42C
1.2K/0.25W R1031
R1028 10K
R1027 1.5K(3216)
R1030 10K
Q1006 C114
R1033 10K
R1032 1.2K/0.25W
Q1011 TIP42C
LNB_ONOFF
Q1009 C114
Q1007 C114
R1231 NC
Q1012 KST2222
Q1008 C114
R1029 75
CH_22K_ONOFF
22KHz
Q1015 C114
LNB_B

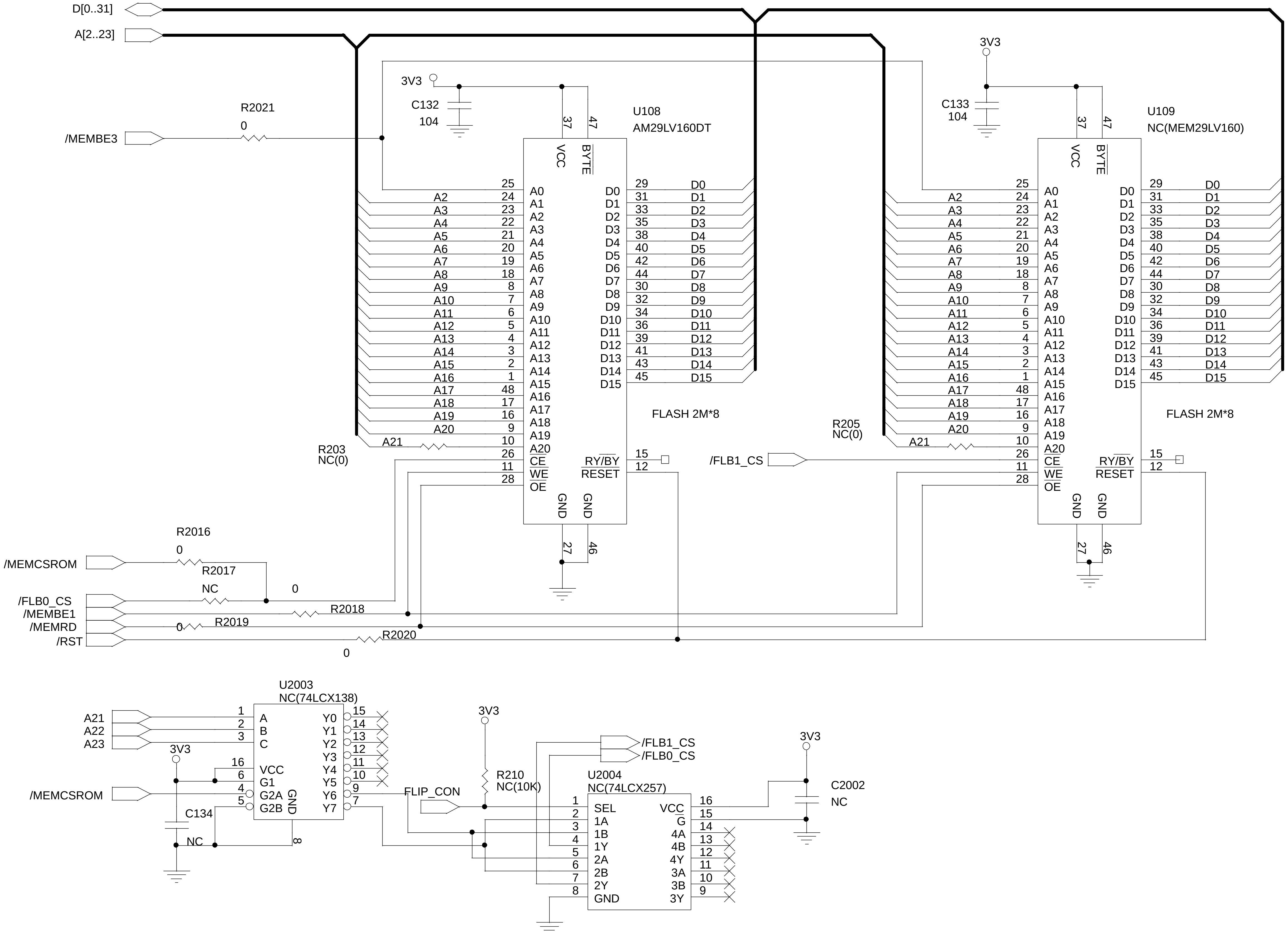
8-16 Front Connection



8-17 Main CPU


STi5512
BootSource1:0
0:0 Boot from link
0:1 Boot from ROM. 32bits bank3
1:0 Boot from ROM. 16bits bank3
1:1 Boot from ROM. 8bits bank3
74LCX04
CHIP BEED
VDD
D6,D10,D14,E17
F4,J17,K4,N17
P4,U5,U9,U13,U17
GND
J9,J10, K9,K10
L9,L10, M9,M10
J11,J12,K11,K12
L11,L12,M11,M12
KST2222AL(NC)
KST2222AL(NC)

8-18 Flash Memory



8-19 Modem Interface (Option)

